

FLOOD CONTROL

A. EMBANKMENT SCHEMES

1. Strengthening of Yamuna Bazar Wall (1100m) corresponding to 3.5 Lakh cusecs discharge (Rs. 2.00 Lakh)

It has been observed during the flood season 1995 that the existing brick masonry wall is not sufficient to with stand the flood intensity of 3.50 Lakh cusecs in river Yamuna. At a number of places the wall had to be strengthened by placing earth filled empty cement bags. Further piling action was seen on the other side of the wall. A provision of 2.00 Lakh has been made in 2007-08.

2. Raising and stg. of LF Bund corresponding to 1 in 100 years frequency. (Rs. 2.00 Lakh)

The L F Bund presently has been constructed corresponding to one-in-twenty five year frequency because it was a rural embankment. The area on the city side of this embankment has been completely urbanized by coming up of new colonies, CRPF camps, etc, . It is, therefore, proposed to strengthen this embankment considering it is an urbanized embankment corresponding to one in hundred year flood frequency.

B. MAJOR DRAINAGE SCHEMES

3. Construction of Supplementary Drain to N.G Drain (Phase-I) (Rs. 545.00 Lakh)

The aim of the scheme is to improve the flow of drainage in the existing drains/ outlet so that accumulation of water is avoided along with flooding of areas around the drain. The scheme envisages the construction of drain down stream of Kakraula Regulator along the left side of existing N.G. Drain upto its out-fall of Nangloi Drain into N.G Drain and thereafter, along Nangloi Drain by reversing its flow upto the intersection with the originally proposed alignment of supplementary drain,. Alignment of drain approved by CWC in March 1988 & scheme submitted in August 1988. The scheme revised for Rs. 122.87 crore and was submitted in March 1995.

Outlays & Expenditure

		(Rs.in lakh)
a.	Approved Outlay 10 th FYP	1240.00
b.	Expenditure 2002-03 to 2005-06	1003.77
c.	Annual Plan 2006-07	
	Outlay	606.00
	Expenditure	348.48
d.	Annual Plan 2007-08	
	Outlay	545.00 Capital

Physical progress

The 88.82% construction work has been achieved comprising excavation of the drains upto SSWL in a length of 34 Km, excavation of drain upto DBL in a length of 29.37 Km, 18 road bridge, two railway bridge, three foot bridges, two aqueducts, one siphon, 5 pipe bridges excavation work including construction lined/ retaining wall section in about 3.87 Km length is in progress. A channel has been excavated & the drain has been connected to the N.G. Drain.

4. Construction of Outfall Drain for draining Shalimar Bagh, Jahangirpuri, Azadpur and Model Town area (Rs. 30.00 Lakh)

A scheme of "Remodeling of Jahangirpuri Drain costing Rs. 297.00 lakh was prepared to improve the discharge carrying capacity of Jahangirpuri Drain catering to the catchment area of Azadpur, Model Town, Adarsh Nagar considering the available land width and the additional discharge of 200 cusecs of Dhirpur project area of DDA, thus totaling the end discharge as 1700 cusecs. Due to increase in the cost of labour and material the scheme is being revised and placed in E.F.C shortly to get the expenditure sanction to complete the balance work.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	3450.00
b.	Expenditure 2002-03 to 2005-06	301.07
c.	Annual Plan 2006-07	Outlay 40.00
		Expenditure 56.94
d.	Annual Plan 2007-08	Outlay 30.00 Capital

Physical Progress

The work is in progress and 98 % work has been completed.

5. Procurement of Appropriate machinery including Dredger, draglines. Bulldozer, Hydraulic, Excavators for maintenance of drains (Rs. 1000.00 Lakh)

The aim of the scheme is to procure appropriate machinery for desilting of major drains of the department as the present machinery was not capable to carry out desilting in the City drains. It is proposed to purchase, Medium size Draglines 4, Large size Draglines 2.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	3000.00
b.	Expenditure 2002-03 to 2005-06	743.96
c.	Annual Plan 2006-07	Outlay 320.00
		Expenditure Nil
d.	Annual Plan 2007-08	Outlay 1000.00 Capital

Physical Progress

The following machinery has been purchased under this scheme.

- i. Medium sized Draglines-5
- ii. Water Master Classic II/III-1
- iii. Dredge Utility Craft-2
- iv. One Hydraulic Excavator of 0.9 cum bucket capacity-2
- v. Barge of 12 cm (18 MI)-1. Machine to be purchased during 2007-08
 - a. Medium size Dragline-4
 - b. Large Dragline-2
 - c. Bull dozer of 180 H.P.-1.

6. Drainage scheme of Shahdara area bounded in between S.M. Bund and L.F. Bund viz. Sonia Vihar and Rajiv Nagar (Rs. 5.00 Lakh)

The scheme envisages construction of pacca drain running along S.M. Bund and then flowing towards L.F. Bund Pump House along arterial highway and finally discharging into river Yamuna by pumping as well as by gravity and it will also provide drainage to the colonies like Rajiv Nagar, Sonia Vihar, CRPF Camp etc. A token provision of Rs. 5.00 Lakh for primary investigation has been made for 2007-08.

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	265.00
b.	Expenditure 2002-03 to 2005-06	23.35
c.	Annual Plan 2006-07	
	Outlay	Nil
	Expenditure	Nil
d.	Annual Plan 2007-08	
	Outlay	5.00

7. Revamping of I&FC Drains. (Rs. 1200.00 Lakh) New Scheme.

The major drains which are outfalling into river Yamuna need to be protected from garbage by way of construction of boundary wall with expanded wire mesh on the top, along the drains and existing measures already taken on the bridges shall be strengthened. The scheme has already been cleared from TAC, FCB and EFC is being placed in the next EFC meeting. In the first instance two major drains have been chosen for executing this plan i.e. N.G. Drain and Supplementary Drain. A provision of Rs. 1200.00 Lakh has been made for construction of boundary wall/fencing around 27 kilometer of drain during Annual Plan 2007-08.

8. Construction of office building of I&FC Deptt. (Rs. 5.00 Lakh AP 2007-08)

The Department has proposed to construct its own office building and a token provision of Rs. 5.00 has been made for Annual Plan 2007-08.

C. SMALL DRAINAGE SCHEMES

9. Remodeling/ Improvement of existing drains (Rs. 554.00 Lakh).

i. Remodeling of New Drain from RD 0m to RD 5400m. (Rs. 50.00 Lakh)

New drain has its outfall into supplementary drain and runs along GT Karnal Road from Nangli Poona to Bhalswa. This caters to the discharge of drain No. 6 as well as Bawana Escape. A sprawling industrial complex is being developed at Narela Township and storm water from this urbanized area will be discharged into new drain through Bawana Escape and drain No. 6. Thus New Drain required remodeling from its existing discharge capacity of 1168 cusecs to 5000 cusecs. A scheme amounting to Rs. 288.49 Lakh for the said remodeling of new drain was approved in the year March 2004. An expenditure of Rs. 303.00 Lakh has already been incurred and 88% of the work comprising of two bridges and lining has been completed. A provision of Rs. 50.00 Lakh is made for Annual Plan 2007-08 to take up the work of construction of one bridge and balance lining work.

ii. Remodeling and lining of Palam Link Drain from RD 0 M to RD 1710M (Rs. 15.00 Lakh)

It is proposed to improve rural drainage system. With the improvement in the water supply system to the rural areas and other facilities to the habitation in rural areas has suitably grown and sludge flow from the villages are on increase. The work was taken up in the year 2002-03 and 68% work has been completed and total expenditure incurred on the work is Rs. 39.07 lakh thereafter, the work was held up, as there existing encroachment on both sides of the drain. During demarcation, it was observed that the existing drain is on the land belonging to Gram Sabha and since there are encroachments, the work of the remodeling has not been possible to be completed till date and scheme is to be revised due to change of scope. A provision of Rs. 15.00 lakh has been kept for the Annual Plan 2007-08.

iii. Remodelling of Bawana Escape From RD 4830M TO RD 19790 M (Rs. 300.00 Lakh)

Bawana Escape Drain starts from Daryapur Jheel near village Harevali and outfalls into 'New drain' with an existing discharge of 3.54 cusecs at the starting point and 24.09 cusecs at its outfall point. DSIDC has taken up a project of development of industrial complex at Bawana to shift industries located in thickly populated residential area of Delhi, as per the direction of Hon'ble Supreme Court of India, so as to avoid pollution in the city area. The storm water discharge of the newly developed industrial area will outfall into existing Bawana Escape drain which passes through the newly developed industrial area. To take care of additional discharge, it was decided to remodel the drain from RD 4830 m to RD 19790 m and a project estimate was accordingly prepared amounting to Rs. 17.24 crores and A/A&E/S of the same amount received in February, 2002 so far an expenditure of Rs. 12.75 lakh has been incurred. Construction of two bridges, 2390M fencing and 2940M RR wall has been completed. A provision of Rs. 300.00 Lakh has been made for the AP 2007-08 to take up the work of excavation – 500M, wall/fencing 950M, completion of one bridge and balance lining work.

iv. Remodelling of Karari Suleman Nagar Drain From RD 3700 m to RD 6090 m (Rs. 183.00 Lakh)

Karari Sulaman Nagar Drain passes through densely populated unauthorized colonies on both sides between RD 6090 M to RD 0 M. The entire sewage and sludge of these colonies are directly connected in the drain as a result the drain needs constant cleaning throughout the year between RD 6090 M To RD 3700 M the land available in approximate 33ft which is quite inadequate to hold the katcha section of the drain, as practically there is no space available on both sides for its watch and ward and maintenance throughout the year. It was considered utmost urgent to have a pucca RCC trough section for discharge of 110.00 cusecs so that an adequate land will be available for improvement and maintenance of the drain. The scheme is being revised due to change in scope of work. A provision of Rs. 183.00 lakh has been made for Annual Plan 2007-08.

v. Construction of Trunk Drain No. II in Dwarka (Rs. 2.00 Lakh)

Two drains of I&F department namely Palam Drain and Baprola Drain are coming in the catchments of Dwarka project. Delhi Development Authority has proposed to realign the Palam Drain and remodeling of Baprola Drain for a discharge of 1420 cusecs to accommodate the additional discharge due to development of this area. This department has been asked to frame and execute the scheme as the designed discharge of these two drains would be more than 1000 cusecs for catering the storm water discharge of Dwarka area. This scheme amounting to Rs. 453.23 lakh has been cleared from TAC on 27.10.98 and was submitted to Central water Commission for techno economic appraisal. In the mean time other development had taken place in the area and this scheme needs to be modified. Thus, only a token provision of Rs. 2.00 Lakh has been kept for Annual Plan 2007-08 for preliminary investigation.

vi. Improvement of Bawana Drain Alipur Link Drain, Bankner Link Drain, Khera Kalan drain, Khera Khurd Drain (Rs. 1.00 Lakh)

The storm water drains in the rural areas of Kanjhawla & Alipur Block were constructed by I&FC Department to drain out the storm/rain water of the rural areas, so as to protect the lives & crops of the villages, from the fury of floods falling in the catchments areas of these drains, which cater to the entire rain water discharge of rural areas of both these blocks. Due to fast urbanization of the rural areas & development of unauthorized colonies & shifting of J.J. Clusters from city areas to the rural areas of Alipur & Kanjhawla Block, the discharge in the drains constructed by the deptt., has increased considerably. As such to accommodate this increased discharge in these drains, it has become necessary to remodel these drains so as to accommodate the increased discharge, so as to avoid any drainage congestion due to rain water in both the blocks causing loss to the lives and crops. A token provision of Rs. 1.00 lakh has been kept in the Annual Plan 2007-08 for preliminary investigation.

vii. Remodelling of Burari Creek D/S of its Junction with Burari Road from RD 0 M to 25.50 M and RD 433.50 M to RD 936 Metre (Rs. 1.00 Lakh).

Burari Creek caters for the discharge from the areas of Burari, Ibrahimpur, Nathupura, Kadipur etc. Earlier a scheme amounting to Rs. 94.32 lakh was approved which stipulated realignment of Burari Creek along Burari Road. A Pucca Section of Drain in length of 408m

was constructed in the form of R.C.C. duct. Now it has been observed that MCD is widening the Burari Bakhatwarpur Road in view of increase in the intensity of vehicular traffic in the sector due to large scale development of unauthorized colonies in the Burari Jharoda Sector. It is therefore proposed to provide R.C.C. duct section to the existing Katcha section of drain to provide considerable improvement in this drain. The scheme amounting Rs. 110.60 lakh has been formulated for seeking approval from the Competent Authority. A token provision of Rs. 1.00 Lakh has been kept in the Annual Plan 2007-08 for preliminary investigation.

viii. Remodeling of Drain No.6 from RD 0 M To RD 14725 Metre (Rs. 1.00 Lakh)

Delhi Development Authority has developed Narela Township to accommodate industrial as well as residential complex. Due to this an additional discharge of 1723 cusecs is proposed to be discharged into drain No. 6. As such, it is imperative to remodel drain No.6 to cater for the additional discharge contributed by D.D.A. The subject scheme of remodeling of drain No.6 is under process estimated cost of which works out to be 746.00 lakh. A token provision of Rs. 1.00 lakh has been kept in the Annual Plan 2007-08 for preliminary investigation.

ix. Construction of R.C.C Box-Drain from RD 495 M to RD 1130 of link Drain No. II along Burari Road (Road leading to Bio-Diversity Park). (Rs. 1.00 Lakh)

It was decided to cover small drain leading to Bio-Diversity Park with the aim to ensure minimum open drain sights in Delhi. Delhi Development Authority who is maintaining the Bio-Diversity Park has already covered the drain from R.D 0 M to R.D. 495 i.e. up to land boundary of Bio- Diversity Park Now the present proposal is to cover the drain from RD 495M to RD 1130M of link drain No.II along Burari Bund road leading to Bio-Diversity Park by way to constructing R.C.C. box drain which shall carry discharge of 24.55 cusecs for its ultimate discharge into supplementary drain. The total cost of the scheme works out to Rs. 97.82 lakh. A token provision of Rs. 1.00 lakh has been kept in the Annual Plan 2007-08 for preliminary investigation.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	2655.00
b.	Expenditure 2002-03 to 2005-06	1086.31
c.	Annual Plan 2006-07	
	Outlay	590.00
	Expenditure	276.72
d.	Annual Plan 2007-08	
	Outlay	554.00

10. OTHER SMALL DRAINAGE IMPROVEMENT SCHEMES (Rs. 370.00 Lakh).

i. Construction of divide wall in the bed of Jahangirpuri Drain from RD 0 m to RD 5470 m. (Rs.1.00 Lakh)

In order to make the desalting process simple, and to avoid the recurring expenditure in desalting, it is proposed to construct a permanent RCC divide wall longitudinally in the middle of the Jahangirpuri drain section upto a certain height about 0.6 m below the FSL.

This would allow the free dry weather flow in one half section of the drain resulting in a higher velocity thereby discouraging silting up of the drain, during dry weather flow. The other half will facilitate dumping and removal of silt by machines. The proposed wall, the height of which shall be about 0.60 m below the FSL, would allow the flow to topple and use both the section (the whole section of the drain) during monsoon season when the discharge is more.

A token provision of Rs. 1.00 lakh has been made for preliminary investigation during Annual Plan 2007-08.

ii. Remodelling and channelisation of Shahdra out fall drain from RD 300 m to RD 5800 m. (Chilla Regulator) (Rs.1.00 Lakh)

This scheme consists of channelisation of existing catchment of drain so that additional discharge could be accommodated and during the dry weather flow the discharge should not spread in the whole catchment of the drain and reclaimed portion will be utilised for disilted material.

A token provision of Rs. 1.00 lakh has been made for preliminary investigation during Annual Plan 2007-08.

iii. Strengthening of banks of Jahangirpuri Drain between RD 0 m to RD 5470 (Rs. 1.00 Lakh)

It was desired that Jahangirpuri drain may be beautified. Accordingly a scheme amounting to Rs.388 lakhs has been prepared. In light of the forthcoming Common Wealth games, some decisions regarding beautification works have been taken by the Govt. of Delhi. As such this scheme stipulates the works on Jahangirpuri drain which will beautify the drain aesthetically.

A token provision of Rs. 1.00 lakh has been made for preliminary investigation during Annual Plan 2007-08.

iv. Remodelling and channelisation of T.D. No. I (Rs. 300 Lakh)

The T.D No. I is Katcha section between RD 7970 m (PWD Bridge) to RD 10330 M (Arterial Highway) and is pucca section with R.R. Masonary Retaining walls on both sides in remaining section. The land reclaimed on right side of the drian shall be used for plantation and on the L/side is kept reserved of desilting operations. A provision of 300.00 Lakh for construction cunnette during AP. 2007-08.

v. Construction of drain from Dariapur field to Ghoga Link Drain. (Rs. 67 Lakh)

This scheme provides for construction of a drain along the existing Daryapur Ghoga road to outfall into new Ghoga link Drain. The scheme has been approved and A/A & E/S amounting to Rs. 49.21 Lakh received out of which an expenditure of Rs. 23.10 Lakh incurred on land payment. The scheme is being revised. A provision of Rs. 67 Lakh is made for Annual Plan 2007-08.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	199.00
b.	Expenditure 2002-03 to 2005-06	99.43
c.	Annual Plan 2006-07	Outlay 5.00
		Expenditure 25.59
d.	Annual Plan 2007-08	Outlay 370.00

D. Access roads & bridges (Rs. 367.00 Lakh)

i. Construction of bridge on Mungeshpur Drain at RD 4610 m (Rs. 65.00 Lakh)

The existing road bridge of Najafgarh Hiran-Kudana Road across Mungeshpur drain at RD 4610 M was constructed prior to establishment of Irrigation & Flood Control Department in the year 1965. This bridge, at present, is in a dilapidated condition. Central Road Research Institute were asked to inspect the bridge and gave their valuable advice after conducting non destruction test. As per their advice the decision to demolish and re-construction of the bridge was taken up. Accordingly, the scheme amounting to Rs. 111.67 lakh has been prepared for demolishing of existing bridge and construction of double lane bridge. A/A & E/S of the same amount was issued on 07.04.06. The work is in progress. A provision of Rs. 65 Lakh is made for Annual Plan 2007-08.

ii. Construction of Single lane bridge at RD 925m of Jahangirpuri Drain (Rs. 45.00Lakh)

The existing Bridge cum-Regulator at RD 925 m (Tail regulator) has only 16 m bed width, which is less than the designed waterway at the two D/S bridge at RD 120 m and 180 m having 25 m water way.

A scheme amounting to Rs. 42.38 Lakh was therefore prepared for construction of a bridge at this location and AA & E/S received on 13.09.05. However the work could not be taken up since the Tail Regulator at the location of the proposed bridge can not be demolished until the gates are provided in the new regulator. A provision of Rs.45.00 Lakh has been made for AP 2007-08.

iii. Construction of additional bridges and widening of existing bridges over various drains of Irrigation & Flood Control (Rs. 122.00 Lakh)

The drains of this department passes through very thickly populated areas and unauthorised colonies developed due to migration of the people from other states has put up a tremendous pressure over the existing bridges resulted in renovation/construction of new bridges over the drains of the departments. To meet out the demands of the people and simultaneously considering the increasing intensity of the traffic and reduction in water ways compelled the department to plan the strategy to renovate/construct the structures like foot bridge and other type of bridges. A provision of Rs.122.00 Lakh has been made for Annual Plan 2007-08. The bridges to be taken-up during 2007-08 are given below: -

- a. Const. of 2 lane RCC Box Bridge at RD. 2900 m of Nasirpur drain AP 2007-08, Rs 48.71 Lakh.
- b. Const. of Single lane RCC Box Bridge at RD 3050 m and 3300 m of Pankha Road drain. AP 2007 – 08, Rs 79.16 Lakh
- c. Demolishing & Re-construction of an existing dilapidated single lane road bridge on Jharoda -Tikri Road along Mungeshpur Drain at RD 9024 m . AP 2007– 08, Rs 75.67 Lakh.
- iv. **Construction of Additional double lane RCC. Bridge at RD 24309 m across Suppl. Drain U/S of Nihal Vihar Bridge. (Rs. 135.00 Lakh)**

The Proposed Additional RCC single lane bridge is to be constructed just adjacent (on u/s side) to the existing bridge at RD 2430m of Supplementary Drain. Due to fast urbanization of the area, adjoining the Supplementary Drain on both sides particularly on the left side of Supplementary Drain, there has been traffic congestion on the existing bridge. To reduce the congestion of traffic on the existing bridge. Accordingly, the scheme for the construction of double lane RCC bridge amount to Rs.97.22 lakh has been cleared in the 22nd TAC Meeting held on 13.09.05 and as well as cleared by the Flood Control Board. However, A/A& E/S is yet to be issued. A provision of Rs. 135 Lakh has been made for Annual Plan 2007-08.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	732.00
b.	Expenditure 2002-03 to 2005-06	846.56
c.	Annual Plan 2006-07	Outlay 229.00
		Expenditure 179.17
d.	Annual Plan 2007-08	Outlay 367.00

E. ANTI EROSION SCHEMES

i. Anti Erosion (Rs. 1.00 Lakh)

In order to protect the left and right bank of river Yamuna against the erosion a number of works are required to be taken up on the emergency basis every year to check and control further erosion in the future. A provision of Rs. 1.00 Lakh has been made for AP 2007-08.

Outlays & Expenditure

[Rs. in lakh]

a.	Approved Outlay 10 th FYP	100.00
b.	Expenditure 2002-03 to 2005-06	25.34
c.	Annual Plan 2006-07	Outlay 5.00
		Expenditure Nil
d.	Annual Plan 2007-08	Outlay 1.00

F. Protection of Government Land (Rs. 30.00 Lakh)

For planning and construction of drains with proper embankments and space for movement, land had been acquired by Irrigation & Flood Control Department for construction of a large number of major and minor drains. As such it has become essential to protect the Government land belonging to Irrigation & Flood Control Department from encroachment by suitable measures viz. constructing walls fencing along the boundaries of drains wherever required and feasible. A provision of Rs. 30.00 Lakh has been made for Annual Plan 2007-08 for taking up following works:

- a. Protection of Govt. land from RD 1135m to RD 3250m left side and RD4800m to RD 5470m on right side of Jahangirpuri Drain (Rs. 10.00 Lakh)
- b. Construction of boundary wall along the land boundary of K.S.N drain , Madan pur drain, and network of Irrigation channels. of I&FC Deptt. (Rs. 5.00 Lakh)
- c. Construction of Boundary Wall on Bankner Link Drain, Alipur Drain, Khera Kalan Drain, Khera Khurd Drain, Nangloi Drain, Ghoga Link Drain, Bawana Drain & Bawana Escape (Rs. 5.00 Lakh).
- d. Construction of masonry wall on both sides of Burari Drain from RD 0m to RD 2280m (Rs. 5.00 Lakh).
- e. Construction of Boundary wall along Land Boundary of various drain of I&FC Deptt. (Rs. 5.00 Lakh)

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	157.00
b.	Expenditure 2002-03 to 2005-06	228.85
c.	Annual Plan 2006-07	
	Outlay	5.00
	Expenditure	3.64
d.	Annual Plan 2007-08	
	Outlay	30.00

G. Liabilities on Completed Schemes (Rs. 300.00 Lakh).

A budget head for meeting liabilities on completed scheme has been permitted in order to ensure that schemes/projects completed in the past years are not reflected in the plan document, only to cater for spill over liabilities. A provision of Rs. 300.00 Lakh has been made for Annual Plan 2007-08.

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	100.00
b.	Expenditure 2002-03 to 2005-06	2491.06
c.	Annual Plan 2006-07	
	Outlay	150.00
	Expenditure	194.09
d.	Annual Plan 2007-08	
	Outlay	300.00

H. Charged Expenditure (Rs. 50.00 Lakh)

Expenditure attributed to the directive of force of law will be met under this head. A provision of Rs. 50.00 Lakh has been made for Annual Plan 2007-08.

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	600.00
b.	Expenditure 2002-03 to 2005-06	529.39
c.	Annual Plan 2006-07	
	Outlay	20.00
	Expenditure	Nil
d.	Annual Plan 2007-08	
	Outlay	50.00

I. Water Development Schemes

i. Survey, Model Study & Hydrological data collection & Investigation for new schemes (Rs.38.00 Lakh).

For meticulous preparation of project estimates, it is necessary to collect hydrological data of the various drains and Yamuna river and running of control room for flood season round the year. A provision of Rs. 38.00 Lakh has been made for Annual Plan 2007-08.

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	150.00
b.	Expenditure 2002-03 to 2005-06	148.47
c.	Annual Plan 2006-07	
	Outlay	30.00
	Expenditure	36.86
d.	Annual Plan 2007-08	
	Outlay	38.00

ii. Establishment of Quality Control and Material Testing Laboratory (Rs. 1.00 Lakh)

Control of quality of different materials used in the construction of various projects is absolutely essential. Quality control also reduces construction cost by 5% to 10%. A provision of Rs. 5.00 Lakh is proposed in the 10th FYP against which in expenditure of Rs. 4.15 Lakh was incurred. A provision of Rs. 1.00 Lakh has been made for Annual Plan 2007-08.

Outlays & Expenditure

		[Rs. in lakh]
a.	Approved Outlay 10 th FYP	5.00
b.	Expenditure 2002-03 to 2005-06	3.43
c.	Annual Plan 2006-07	
	Outlay	1.00
	Expenditure	0.72
d.	Annual Plan 2007-08	
	Outlay	1.00

J. Trans Yamuna Area Dev. Board (Rs.400.00 Lakh)

In order to accelerate the development process in Trans-Yamuna area, a Board has been set up to guide & frame suitable programmes on the advice of concerned MLAs from Trans Yamuna Area. The Board provides additional funds to various agencies after identifying the issues connected with planned growth of the area with a view to reducing wide disparity in the existing infrastructure are enumerated & guidelines issued by the Board for bringing about improvement in the area.

Outlays & Expenditure

			[Rs. in lakh)
a.	Approved Outlay 10 th FYP		600.00
b.	Expenditure 2002-03 to 2005-06		1111.76
c.	Annual Plan 2006-07	Outlay	300.00
		Expenditure	299.16
d.	Annual Plan 2007-08	Outlay	400.00