

**HARYANA VIDHAN SABHA**

**THE SUBJECT COMMITTEE**

**ON**

**PUBLIC HEALTH, IRRIGATION,  
POWER AND PUBLIC WORKS (B&R)**

**(2013-2014)**

**FIRST REPORT**



(Presented to the House on 4/2 March, 2014)

**HARYANA VIDHAN SABHA SECRETARIAT,  
CHANDIGARH**

**2014**

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**COMPOSITION OF THE COMMITTEE  
THE SUBJECT COMMITTEE ON PUBLIC HEALTH  
IRRIGATION POWER AND PUBLIC WORKS (B&R)**

**2013-2014**

**CHAIRPERSON**

1      \*Shri Aftab Ahmed MLA

**Members**

- 2      Prof Sampat Singh M L A
- 3      Shri Venod Sharma M L A
- 4      Shri Anil Vj M L A
- 5      Shri Ram Pal Majra M L A
- 6      Shri Abhey Singh Chautala M L A
- 7      Rao Yadavendra Singh M L A
- 8      Shri Zile Ram Sharma M L A
- 9      Shri Dharam Pal Obra M L A

**SECRETARIAT**

1      Shri Sumit Kumar Secretary

2      Shri Subhash Chander Joint Secretary

The Subject Committee was constituted vide Haryana Vidhan Sabha Secretariat Notification No HVS/PHI&PC 1/2013 14/33 dated 2<sup>nd</sup> May 2013

Resignation from the Chairperson and membership of the Committee was accepted by the Honble Speaker w e f 29 10 2013 vide notification No HVS/PHI&PC 1/2013 14/83 dated 11<sup>th</sup> November 2013

## INTRODUCTION

1 I the Acting Chairperson of the Subject Committee on Public Health Irrigation Power and Public Works (B&R) having been authorized by the Committee to present the Report on their Behalf present this First Report to the House

2 The matters covered by this Report were finally considered by the Committee at their sitting held on 19<sup>th</sup> February 2014 and adopted this Report

3 A brief record of the proceedings of each meeting of the Committee has been kept on record of the Haryana Vidhan Sabha Secretariat

4 The Committee is thankful to the representatives of the Departments who appeared before the Committee from time to time for their valuable assistance to the Committee

5 The Committee is also highly thankful and appreciates the working of the Secretary Joint Secretary Branch officials of the Haryana Vidhan Sabha Secretariat for their unstinted whole hearted co operation and assistance rendered by them

Chandigarh  
The 19<sup>th</sup> February 2014

Sampat Singh  
Acting Chairperson

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## REPORT

- 1 The Subject Committee on Public Health Irrigation Power and Public Works (B&R) for the year 2013 2014 consisting of Chairperson/ Members was nominated by the Honble Speaker Haryana Vidhan Sabha under Rule 274 (1) of the Rules of Procedure and conduct of Business in Haryana Legislative Assembly on the 2nd May 2013
- 2 Shri Aftab Ahmed MLA was appointed as the Chairperson of the Subject Committee by the Speaker
- 3 The Committee held 48 meetings (at Chandigarh and outside Chandigarh) till the finalization of this Report

The function of Committee are as under -

- (i) to Scrutinize the demands for grants
- (ii) to examine the working of these Departments and to suggest measures for improvement in administration and in different programmes/ schemes/ projects
- (iii) to examine legislation
- (iv) to advise Government on a question of policy or legislation on which Government may consult a committee
- (v) to discuss generally and formulate views on
  - (a) State's Five Year Plan programmes relating to these Departments and their implementation
  - (b) Reports of Public Undertakings under these Departments
  - (c) Reports of any statutory or other body including any commission of inquiry which are laid before the House relating to these Departments and
  - (d) Annual Performance Reports of these Departments

The Subject Committee shall not examine or investigate matters of day to day administration

**PUBLIC HEALTH DEPARTMENT**

**Committee prepared the following questionnaire**

- 1 New Projects ongoing projects Sanitary Board schemes and details of Budget allocation under different schemes
- 2 Position of Pumping Machinery Filter Media and over Head tanks
- 3 Position of Canal Based supply scheme under Public Health Department
- 4 Position of Sewerage Plants

## REPLY OF THE DEPARTMENT

**Public health Engineering Department is responsible for**

- 1 Providing drinking water in the rural and urban areas
- 2 Providing sewerage facilities in the towns
- 3 Providing storm water drainage in the towns

**The status report of water supply as per census is as under -**

Parameter	Year 2001	Year 2011
Dependence on local wells	16.05%	4.5%
Dependence on hand pumps and private tubewell	43.03%	28.4%
Level of satisfaction of rural water supply through taps	37.8%	63.06%

The following major programme are being implemented in the Department

- 1 **Rajiv Gandhi Augmentation Drinking Water Project in Mewat Area** to provide sustainable drinking water to 503 habitations
- 2 **Indira Gandhi Drinking Water Scheme** to provide free water connections to 10.36 lac scheduled caste households in the rural and urban areas
- 3 **Economic Stimulus Package** to provide 100% water supply and sewerage facilities in 14 selected towns
- 4 **NCR planning Board** schemes to strengthen water supply and sewerage infrastructure
- 5 **NABARD** aided schemes for augmentation of rural water supply
- 6 **13<sup>th</sup> Finance Commission** schemes to improve water supply in Shivalik area/ southern Haryana as well as Mewat area
- 7 **Handing over Operation & maintenance of single village schemes** to Gram Panchayats
- 8 **National River Conservation Programme** to strengthen water supply and sewerage infrastructure in Sonapat and Panipat districts

### **Rural Water Supply**

In Haryana State all the villages were provided with at least one safe source of drinking water by 31<sup>st</sup> march 1992. Thereafter the focus has been given to augment/ strengthen the drinking water supply infrastructure in the villages. Slippage of villages in to the category of deficient villages as a continuous process. The State Government and Central Government are giving focused attention to the coverage of these deficient villages and the yardstick for coverage of habitations is now assessed in terms of population.



The status of water supply in rural areas in terms of population is as under

No of villages with 100 / population coverage	6271
No of villages with population coverage between >75 % and <100%	906
No of villages with population coverage between >50 / and <75 /	174
No of villages with population coverage between >25 / and <50 /	25
No of villages with population coverage between >0 / and <25 /	9
<b>TOTAL</b>	<b>7385</b>

#### Assets created in the Rural areas upto 31 03 2013

No of canal based water supply schemes	1391
No of tubewell based water supply schemes	3132
No of tubewells	6030
No of boosting stations	1238

#### Urban Water supply and Sewerage

Public Health Engineering Department is providing water supply in the urban areas as well as sewerage facilities besides construction of Sewage Treatment Plants

There are 80 towns in the State and the status of water supply and sewerage in these towns is as follows

Water supply status (in lpcd)	Number of towns
135 lpcd	41
110 to 135 lpcd	26
70 to 110 lpcd	13
<b>TOTAL</b>	<b>80</b>

#### Sewerage Status

/ age covered with sewerage system	Number of towns
> 75 % coverage	44
50 / to 74 / coverage	15
< 50 / coverage	10
Sewerage in progress	11
<b>TOTAL</b>	<b>80</b>

#### Sewage Treatment Plants Status

No of Sewage Treatment Plants in operation in 27 towns	33
No of Sewage Treatment Plants under construction in 42 towns	46
No of Sewage Treatment Plants to be constructed in 11 towns during 2013 14	11

#### Assets created in the Urban areas upto 31 03 2013

No of canal based water supply schemes	77
No of tubewell based water supply schemes	505
No of tubewells	1456
No of boosting stations	205

## Financial Year 2012-13

The plan outlay for the year 2012-13 vis a vis expenditure incurred is as under -

## State Plan

(Rs In lacs)

Sr No	Programme	Plan outlay 2012 13	Expenditure 2012 13	% age achievement
	<b>RURAL</b>			
1	Augmentation water supply	6000 00	6351 51	105 86
2	NABARD	7100 00	7324 39	103 16
3	NCR (Rural)	600 00	612 52	102 09
4	Independent Feeders	100 00	97 12	97 12
5	Maintenance	2000 00	1463 09	73 15
6	IGDWS	6000 00	2583 49	43 06
7	Stock	770 00	763 28	99 13
	<b>TOTAL</b>	<b>22570 00</b>	<b>19195 40</b>	<b>85 05</b>

Sr No	Programme	Plan outlay 2012 13	Expenditure 2012 13	/ age achievement
	<b>URBAN</b>			
1	Water supply	8750 00	8972 12	102 59
2	NCR Urban	4200 00	4094 05	97 48
3	Sewerage	14675 00	17812 84	121 38
4	IGDWS	1000 00	305 63	30 56
5	Flood work	1300 00	1232 00	94 77
6	Maintenance	1500 00	834 96	55 66
	<b>TOTAL</b>	<b>31425 00</b>	<b>33251 60</b>	<b>105 81</b>
	<b>Yamuna Action Plan</b>			
1	YAP-6 town (land)	330 00	327 12	99 13
2	YAP II	20 00	15 88	79 40
	<b>TOTAL</b>	<b>350 00</b>	<b>343 00</b>	<b>98 00</b>
	<b>NRCP</b>	<b>325 00</b>	<b>0 00</b>	<b>0 00</b>
	<b>TOTAL</b>	<b>325 00</b>	<b>0 00</b>	<b>0 00</b>
1	TFC shivalik southern Haryana	7500 00	2486 17	33 15
2	TFC Mewat	2500 00	1419 43	56 78
	<b>TOTAL</b>	<b>10000 00</b>	<b>3905 60</b>	<b>39 06</b>
	Construction of building/ residence under New Head	330 00	354 34	107 38
	<b>TOTAL</b>	<b>330 00</b>	<b>354 34</b>	<b>107 38</b>
	<b>GRAND TOTAL</b>	<b>65000 00</b>	<b>57049 94</b>	<b>87 77</b>

## Central Plan

(Rs In lacs)

Sr No	Programme	Plan outlay 2012 13	Expenditure 2012 13	% age achievement
	<b>RURAL</b>			
1	NRDWP	21930 00	18777 83	85 63
2	DDP	15000 00	13152 43	87 68
	<b>TOTAL</b>	<b>36930 00</b>	<b>31930 26</b>	<b>86 46</b>

## Major Initiatives

- 1 Haryana State Urban Water Policy was notified on 16<sup>th</sup> march 2012 which interalia includes all unmetered water connections in the towns to be converted to metered connections During the year 2012-13 55640 unmetered connections have been converted into metered connections
- 2 Haryana State Rural Water Policy was notified on 07<sup>th</sup> June 2012 which interalia includes providing individual house hold metered connections to 50% rural population by the end of the 12<sup>th</sup> Five Year Plan 1 30 000 individual house hold metered connections have been sanctioned during the year 2012 13
- 3 Shikayat Nivaran Kendra with toll free number 1800 180 5678 launched on 3<sup>rd</sup> April 2012 for redressal of public complaints and ensuring transparency The percentage of complaints addressed satisfactory is 71 40%
- 4 Water Conservation Policy introduced on 12 04 2012 Under this policy water conservation Awards are given to the villages panchayats who ensure provision of taps on all private and public connections and minimum 75% of the households have sanctioned private water connections in the villages 522 Gram Panchayats have been awarded with water Conversation Awards on 15<sup>th</sup> August 2012 and 26<sup>th</sup> January 2013

## Physical Achievements during 2012-13

1	No of villages augmented with water supply facilities	895
2	No of anganwadis covered with safe drinking water	630
3	No of schools covered with safe drinking water	1008
4	No of sustainable structure constructed	248
5	No of water quality tests done with field testing kits	35277
6	No of water quality tests done in laboratories	11517
7	No of water Conversation Awards given to Gram Panchayats	522
8	No of training programmes conducted for Panchayati Raj institutions/Grass root workers/ local communities to manage their own drinking water sources and system in the villages	4667
9	No piped water supply schemes handed over to Gram Panchayats for operation & maintenance	1160
10	No of village water and Sanitation Committee members trained in managing drinking water schemes	47035

11	Percentage of complaints successfully addressed through complaint Redressal Centre	71.40%
12	No. of works completed in rural areas	558
13	No. of works completed in urban areas	67

### Assets created during the year 2012-13

The assets created during the year 2012-13 are as under

Sr No	Description	Rural	Urban	Total
(i)	No. of tubewells drilled	218	18	236
(ii)	No. of canal based water works constructed	52	6	58
(iii)	boosting stations installed	50	3	53
(iv)	Total water supply pipeline laid	1783 Kms	327Kms	2110Kms
(v)	Total sewer pipeline laid	—	474 Kms	474 Kms

### Financial Year 2013-14

The outlay of the department for the year 2013-14 is as under

Sr No	Programme	Capital works	Maintenance	Total
	<b>RURAL</b>			<b>(Rs. In lacs)</b>
1	Augmentation water supply	6000.00	0	6000.00
2	NABARD	10500.00	0	10500.00
3	NCR	100.00	0	100.00
4	Indira Gandhi Drinking Water scheme	4700.00	1500.00	6200.00
5	Independent feeders	100.00	0	100.00
6	Maintenance	0	1800.00	1800.00
7	Suspense (Stock)	0	500.00	500.00
	<b>TOTAL</b>	<b>21400.00</b>	<b>3800.00</b>	<b>25200.00</b>
	<b>URBAN</b>			
1	Augmentation Water supply	5500.00	0	5500.00
2	NCR	13900.00	0	13900.00
3	Sewerage	9200.00	0	9200.00
4	Floods works	3000.00	0	3000.00
5	Indira Gandhi Drinking Water scheme	1000.00	300.00	1300.00
6	Urban (Maintenance)	0	1166.00	1166.00
	<b>TOTAL</b>	<b>32600.00</b>	<b>1466.00</b>	<b>34066.00</b>

Sr No	Programme	Capital works	Maintenance	Total
	<b>Yamuna Action Plan</b>			<b>(Rs in lacs)</b>
1	Phase-I	200 00	0	200 00
2	Phase II	25 00	0	25 00
	<b>TOTAL</b>	<b>225 00</b>	<b>0</b>	<b>225 00</b>
	National River Conservation Programme	1487 00	0	1487 00
	Thirteenth Finance Commission			
1	Mewat (TFC)	2500 00	0	2500 00
2	TFC (Shivalik & Southern Haryana)	7500 00	0	7500 00
	<b>TOTAL</b>	<b>10000 00</b>	<b>0</b>	<b>10000 00</b>
	<b>Construction/repair of office buildings/residences</b>			
	<b>Construction of buildings/ residences under new Head</b>	600 00	0	600 00
	<b>TOTAL</b>	<b>600 00</b>	<b>0</b>	<b>600 00</b>
		<b>66312 00</b>	<b>5266 00</b>	<b>71578 00</b>
	<b>Central Assistance</b>			
	NRDWP (Coverage) including 4723 46 lacs opening balance	14173 00	1890 00	16063 00
	NRDWP (Sustainability) including 2013 81 lacs opening balance	3274 00	0	3274 00
	NRDWP (Chemical contamination)	89 00	0	89 00
	DDP including 6945 32 lacs opening balance	19945 00	0	19945 00
	<b>TOTAL</b>	<b>37481 00</b>	<b>1890 00</b>	<b>39371 00</b>
	Economic Stimulus Package	41500 00	0	41500 00
	National River Conservation Plan	5339 00	0	5339 00
	Yamuna Action Plan Phase-II	142 00	0	142 00
	<b>Grand Total (Plan)</b>	<b>150774 00</b>	<b>7156 00</b>	<b>157930 00</b>
	<b>Non Plan</b>			<b>121320 00</b>
	<b>Total Budget Plan+Non Plan</b>			<b>279250 00</b>

The following targets have been fixed for the year 2013-14 -

1	No of villages to be augmented with water supply facilities	850
2	No of schools to be covered with safe drinking water	467
3	No of anganwadis to be covered with safe drinking water	---
4	No of sustainable to be structure constructed	68
5	No of water quality tests to be done with field testing kits	36000
6	No of water quality tests to be done in laboratories	75600
7	No of water Conversation Awards to be given to Gram Panchayats	525
8	No of training programmes to be conducted Panchayati Raj institutions/Grass root workers/ local communities to manage their own drinking water sources and system in the villages	2700
9	No piped water supply schemes to be handed over to Gram Panchayats for operation & maintenance	452
10	No of village water and Sanitation Committee members to be trained in managing water schemes	8100

The allocation of funds for the year 2013 14 to the new as well as ongoing schemes was made in the water supply and Sewerage Board meeting held on 18 04 2013 under the Chairmanship of Hon ble Chief Minister Haryana. The programme wise details of ongoing as well as new schemes is attached as Annexure A.

## Allocation of funds during 2013-14 vis-à-vis liabilities

		(Rs. In lacs)				New schemes						
S No	Programme	Outlay	No. of schemes	Ongoing schemes			New schemes			Total liability	Balance funds available	
				Liability as on 1.4.2013	Proposed allocation	Balance liability	No. of schemes	Estt. Cost	Proposed allocation			Balance liability
RURAL												
1	Aug. W/S	6000.00	198	7392.10	4898.11	2693.99	51	4498.14	1101.89	3394.25	6088.24	200.00
2	NABARD	10500.00	30	24387.59	8513.49	15854.10	0	0	0	0	15854.10	1988.51
3	N.C.R. (M)	100.00	2	724.00	100.00	624.00	0	0	0	0	624.00	0
4	IGDWS (Rural)	6200.00	76	1914.35	1674.10	240.25	29	684.24	620.40	43.84	284.09	3905.50
5	Independent feeders	100.00	8	115.75	100.00	15.75	0	0	0	0	15.75	0
6	Maintenance	1800.00	0	4500.00	1800.00	2700.00	0	0	0	0	2700.00	0
7	Suspense (Stock)	500.00	0	0	0	0	0	0	0	0	0	500.00
	Total	25200.00	314	39013.79	16885.70	22128.09	80	5160.38	1722.29	3438.09	25566.18	6592.01
URBAN												
1	Aug. W/S	5500.00	137	27520.55	4577.28	22943.29	4	105.50	105.50	0	22943.29	8 / 24
2	N.C.R.	13900.00	11	26397.98	6388.06	20009.90	0	0	0	0	20009.90	7611.94
3	Sewerage	9200.00	155	75848.28	8290.88	67557.38	3	1442.05	54.95	1387.10	68944.48	854.17
4	IGDWS (U)	1300.00	0	0	0	0	0	0	0	0	0	1300.00
5	Flood works	3000.00	33	5584.93	2625.51	2939.42	0	0	0	0	2939.42	374.49
6	Maintenance	1165.00	0	1700.00	1165.00	534.00	0	0	0	0	534.00	0
7	YAP	200.00	0	200.00	0	200.00	0	0	0	0	200.00	200.00
	Total	34266.00	336	137231.70	23047.71	114183.99	7	1547.55	160.45	1387.10	115571.09	11057.84
THIRTEENTH FINANCE COMMISSION												
1	Mewat (TFC)	2500.00	4	6857.52	2500.00	3157.52	0	0	0	0	3157.52	0
2	TFC (Shivalik & Southern Haryana)	7500.00	24	15873.65	7296.76	8576.89	0	0	0	0	8576.89	203.24
	Total	10000.00	28	21531.17	9796.76	11734.41	0	0	0	0	11734.41	203.24
Construction/repair of office buildings/residences												
1	Construction of buildings/residences under new Head	600.00	50	1221.74	539.35	682.39	3	95.10	22.00	73.10	755.49	18.50
	Total	600.00	50	1221.74	539.35	682.39	3	95.10	22.00	73.10	755.49	18.50
	Grand total	70066.00	728	198998.40	50269.52	148728.88	90	6803.03	1904.74	4898.29	153627.17	17871.69

(Rs. In lacs)												
S. No.	Programme	Outlay	No. of schemes	Liability as on 1.4.2013	Proposed allocation	Balance liability	No. of schemes	Estt. Cost	Proposed allocation	Balance liability	Tota. liability	Balance fund. available
1	NRDWP (including OB)	14173.48	839	27170.50	11900.0	15270.48	145	7233.38	2052.03	5167.35	2645.84	221.4
2	NRDWP (Sustainability)	3273.81	44	10900.92	2475.21	8425.71	4	4353.90	197.00	4166.90	1258.61	601.60
2	DDP (including OB)	1845.32	884	43892.94	18753.28	27139.66	148	6022.20	2413.97	3608.53	30746.1	758.37
	Total	3732.59	1767	81984.38	31128.50	50835.88	299	17615.48	468.70	1295.373	33781.1	1981.39
	Economic Stimulus Package	4130.00	28	56065.18	4130.00	14705.47	0	0	0	0	14047	13.29
	National Conservation Plan	6828.00	2	21787.00	6828.00	14961.00	0	0	0	0	14961.00	0
	Grand Total	8518.59	1798	159817.54	79313.21	80502.33	295	17615.48	468.70	1295.278	9345.1	1720.68



(i) **Position of Pumping machinery Filter Media and over head tanks**

(a) **Pumping machinery**

There are two types of pumps at Canal based W/S schemes i.e raw water pumping sets which are used to pump raw water from sedimentation and storage tanks to filter units and clear water pumps which are used to pump water from clear water storage tanks to distribution system. The capacity of these pumps is worked out as per the population of the area served topography of the area and norms of water supply. The stand by sets are provided each for clear water pumping sets and raw water pumping sets so as to use them in case of any failure. The preventive maintenance of the machinery is carried out as per the requirement. The Pumping Machinery is replaced as and when it outlive its life.

In case of tube well based water supply schemes the submersible pump sets are installed in the Tube wells. The machinery is repaired as per the requirement in case of failure. Generally no stand by sets are available for tube well based pumping machinery.

In cases where water from tube wells is pumped to boosting stations the stand by clear water pump sets are installed at the boosting stations also.

Similary for sewerage system and storm water disposal system stand by sets are installed.

There are total 3010 raw water pumping sets 6185 clear water pump sets and 6562 submersible pumping sets.

(b) **Filter Media**

There is no requirement of filtration units in case of water supply based on tube wells. The Filter units are required only in case of canal based water supply schemes. There are two types of filter units namely slow sand filters and rapid sand filters. The slow sand filters are provided generally in the rural areas where the ample land is available for its construction. The rapid sand filter units are provided generally in urban areas.

The slow sand filters comprises of many layers of filter media with varying depth of different sizes of the sand/grit. The top layer of the filter media is a coarse sand. With the continues usage the coarse sand gets clogged and has to be scrapped in a small thickness approximately 1/2". This scraped top layer is required to be washed and has to be put back to the filter unit. During each course of scrapping and washing some quantity is lost thereby reducing the dept of the top layer coarse sand over a period of time. This reduction in depth of top layer is required to be made good by putting additional coarse sand. The scrapping and washing of top layer of filter media in slow sand filter is generally required once in a month.

In case of rapid sand filter the filter media comprises of a single layer coarse sand. It is back washed through mechanical system once in a day.

Some of the sand get lost during back washing and has to be replaced to make good the loss

There are total 5736 filter units in Urban and Rural areas

### (c) Over Head Tanks

The over head tanks are provided to meet the peak demand. These tanks also act as balancing tanks and can also be used to supply water even when there is no electric supply. There are total 1366 OHSRs of various capacities in rural and urban areas.

#### (ii) Position of canal based supply schemes

The canal based water supply schemes is designed where the ground water is not potable or ground water source is not sustainable. There are total 1511 canal based water supply schemes out of which 1420 are for rural areas, 79 for urban areas and 12 for Govt. works. The division wise detail is attached.

#### (iii) Position of sewerage Treatment Plants

37 Sewerage Treatment Plants in 28 towns are functional and 60 STPs in 50 towns are in progress. The work in 11 STPs in 11 Towns is yet to be taken in hand. The detail of STPs is attached. The work of construction of STP is in progress under various heads namely NCRPB, ESP, NRCP, State Plan. While there is no shortage of funds under NCRPB, ESP and NRCP. However, there is shortage of funds under State Plan. No. of STPs in progress against each programme and Budget available against the estimate for construction of STP is as under -

Sr No	Programme	No of STPs in progress	Total estimated cost	Funds available during 2013 14 (Rs. In Crore)
1	NCRPB	12	65.34	139.00
2	NRCP	2	217.87	68.26
3	ESP	19	491.38	415.00
4	STATE Plan	27	1070.70	92.00

(The above physical status of various installations/ machinery intimated is tentative derived from the departmental website)

**Status of Commissioned WW/BS/TW at a glance where habitations not handed over to Panchayat**

Sr No	Circle/Division/ Subdivision	Canal Based				TW Based				Tubewell				Booster	
		Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban
Ambala															
Ambala City PHED															
1	Ambala City PHESD No 3	1	1	0	2	20	5	0	25	27	36	1	0	6	18
2	Ambala City PHESD No 5	0	0	0	0	48	0	1	49	54	0	2	0	10	0
3	Ambala City PHESD No 6	0	0	0	0	41	0	0	41	52	0	0	0	4	0
Division Total		1	1	0	2	109	5	1	115	133	36	3	0	20	18
Ambala PHED															
4	Ambala Cantt. PHESD No 2	0	7	0	7	112	3	2	117	159	45	7	1	14	2
5	Ambala Cantt. PHESD No 4	0	0	0	0	107	1	0	108	149	3	2	0	10	0
6	Ambala City PHESD No 1	0	0	0	0	38	0	0	38	44	0	1	0	5	0
Division Total		0	7	0	7	257	4	2	263	352	48	10	1	29	2
Narangarh PHED															
7	Narangarh PHESD No 2	0	0	0	0	118	0	0	118	154	0	0	0	7	0
8	Narangarh UPHESD No 1	0	0	0	0	122	5	0	127	145	19	0	0	2	1
9	Sadaura PHESD	0	0	0	0	136	0	0	136	134	0	0	0	0	0
Division Total		0	0	0	0	376	5	0	381	433	19	0	0	9	1
Panchkula PHED															
10	Kaika UPHESD	0	0	0	0	33	14	1	48	36	7	3	3	21	12
11	Panchkula PHESD No 1	0	0	0	0	59	1	8	68	77	1	0	0	9	0
12	Pinjore PHESD No 1	8	0	0	8	37	3	0	40	38	8	2	0	28	2
Division Total		8	0	0	8	129	18	9	156	151	16	5	3	58	14
Yamuna Nagar PHED No 2															
13	Chhachhrouli PHESD	0	0	0	0	91	12	0	103	102	16	0	0	0	0
14	Jagadhri UPHESD	0	0	0	0	62	39	4	105	65	62	0	0	0	0
15	Radour PHESD	0	0	0	0	76	6	1	83	83	8	0	0	0	0
16	Yamuna Nagar PHESD No 2	0	0	0	0	50	75	4	129	56	99	1	0	0	0
Division Total		0	0	0	0	279	132	9	420	306	185	1	0	0	0
Circle Total		9	8	0	17	1150	164	21	1335	1375	304	19	4	116	35
Bhiwani															
Bhiwani PHED No 1															
17	Bhiwani PHESD No 3	20	0	0	20	1	0	0	1	6	0	11	0	18	0
18	Loharu PHESD	2	0	0	2	35	0	0	35	53	0	1	0	1	0
Division Total		22	0	0	22	36	0	0	36	59	0	12	0	19	0
Bhiwani PHED No. 2															
19	Bhiwani (D and P) PHESD	10	0	0	10	0	0	0	0	0	0	7	0	4	0
20	Bhiwani PHESD No 2	6	2	0	8	0	0	0	0	0	0	0	0	7	10
21	Bhiwani PHESD No 4	19	0	0	19	0	0	0	0	1	0	10	0	14	0
Division Total		35	2	0	37	0	0	0	0	1	0	17	0	25	10
Bhiwani PHED No 3															
22	Bhiwani PHESD No 6	2	0	0	2	0	0	0	0	0	0	0	0	1	0
Division Total		2	0	0	2	0	0	0	0	0	0	0	0	1	0
Charidhri PHED															
23	Bhadra PHESD	3	0	0	3	18	0	0	18	55	0	0	0	6	0
24	Charidhri Dadri PHESD No 2	19	0	0	19	17	0	0	17	13	0	11	0	6	0

Sr No	Circle/Division/ Subdivision	Canal Based				TW Based				Tubewell				Borewell	
		Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban
25	Charidh Dadrh UPHESD No 1	26	2	0	28	7	0	0	7	6	0	4	2	2	0
	Division Total	48	2	0	50	42	0	0	42	74	0	15	2	14	0
	Siwani PHED														
26	Behal (P and T) PHED	7	0	0	7	8	1	0	9	23	17	0	0	4	2
27	Siwani PHED No 1	8	1	0	9	0	0	0	0	1	0	0	0	4	6
28	Siwani PHED No 2	12	0	0	12	0	0	0	0	0	0	1	0	6	0
	Division Total	27	1	0	28	8	1	0	9	24	17	1	0	14	8
	Tosham PHED														
29	Bawani Khara UPHESD	21	1	0	22	0	0	0	0	0	0	0	0	12	2
30	Kairu PHED	18	0	0	18	0	0	0	0	2	0	1	0	11	0
31	Tosham PHED	45	0	0	45	0	0	0	0	0	0	6	0	21	0
	Division Total	84	1	0	85	0	0	0	0	2	0	7	0	44	2
	Circle Total	218	6	0	224	86	1	0	87	160	17	52	2	117	20
	Gurgaon														
	Faridabad PHED No 1														
32	Faridabad PHED No 1	0	0	0	0	11	0	0	11	48	0	4	0	2	0
33	Faridabad PHED No 2	0	0	0	0	15	0	9	24	39	7	13	0	7	4
34	Faridabad PHED No 4	0	0	0	0	27	0	1	28	64	0	2	0	1	0
	Division Total	0	0	0	0	53	0	10	63	151	7	19	0	10	4
	Gurgaon PHED														
35	Farrukh Nagar PHED	5	0	0	5	19	0	0	19	97	0	7	0	30	0
36	Gurgaon PHED No 1	2	0	0	2	5	0	0	5	21	0	0	0	8	0
37	Gurgaon PHED No 3	0	3	0	3	0	34	0	34	0	93	0	0	0	8
	Division Total	7	3	0	10	24	34	0	58	118	93	7	0	38	8
	Sohna PHED														
38	Gurgaon PHED No 4	0	0	0	0	32	0	1	33	149	0	0	0	9	0
39	Pataudi PHED	0	0	0	0	43	2	0	45	168	43	0	0	1	3
40	Sohna PHED	0	0	0	0	26	1	1	28	99	40	2	1	5	5
	Division Total	0	0	0	0	101	3	2	106	416	83	2	1	15	8
	Circle Total	7	3	0	10	178	37	12	227	685	183	28	1	63	20
	Hisar														
	Hansi PHED														
41	Hansi PHED No 1	14	0	0	14	0	0	0	0	0	0	5	0	12	0
42	Hansi PHED No 2	14	3	0	17	0	0	0	0	0	1	2	15	4	2
43	Hansi PHED No 3	31	0	0	31	1	0	0	1	0	0	16	0	27	0
	Division Total	59	3	0	62	1	0	0	1	0	1	23	15	43	2
	Hisar PHED No 1														
44	Adampur PHED	31	0	0	31	0	0	0	0	0	0	18	0	20	0
45	Hisar PHED No 4	36	1	0	37	0	0	0	0	0	0	15	0	24	0
46	Hisar PHED No 5	14	1	4	19	0	0	1	1	0	0	1	5	9	0
	Division Total	81	2	4	87	0	0	1	1	0	0	34	5	53	0
	Hisar PHED No. 2														
47	Barwala PHED	59	3	0	62	1	0	0	1	0	0	2	0	38	2
48	Hisar PHED No 1	0	3	0	3	0	0	0	0	0	1	0	9	0	7

Sr No	Circle/Division/ Subdivision	Canal Based				TW Based				Tubewell				Booster	
		Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban
49	Hisar PHESD No. 7	23	1	0	24	0	0	0	0	0	0	3	0	21	0
	Division Total	82	7	0	89	1	0	0	1	0	1	5	9	59	9
	Circle Total	222	12	4	238	2	0	1	3	0	2	62	29	155	11
	<b>Jhajjar</b>														
	<b>Bahadurgarh PHED</b>														
50	Bahadurgarh PHESD No 2	13	0	0	13	0	0	0	0	1	0	6	0	20	0
51	Bahadurgarh PHESD No 3	18	0	0	18	2	0	0	2	0	0	6	0	12	0
52	Bahadurgarh UPHESD No 1	4	1	0	5	0	0	0	0	0	0	0	0	7	7
	Division Total	35	1	0	36	2	0	0	2	1	0	12	0	39	7
	<b>Jhajjar PHED No. 1</b>														
53	Beri PHESD No 1	15	1	1	17	0	0	0	0	0	0	15	0	5	1
54	Beri PHESD No 2	15	0	0	15	0	0	0	0	2	0	18	0	5	0
55	Jhajjar PHESD No 2	16	0	0	16	0	0	0	0	1	0	29	0	5	0
	Division Total	46	1	1	48	0	0	0	0	3	0	62	0	15	1
	<b>Jhajjar PHED No 2</b>														
56	Jhajjar PHESD No. 1	1	2	2	5	4	0	0	4	4	0	8	0	8	2
57	Jhajjar PHESD No 4	10	0	0	10	6	0	0	6	2	0	18	2	4	0
58	Jhajjar UPHESD No 3	6	0	0	6	6	0	0	6	12	0	15	0	4	0
	Division Total	17	2	2	21	16	0	0	16	18	0	41	2	16	2
	<b>Jhajjar PHED No 3</b>														
59	Bahadurgarh PHESD No 4	14	0	0	14	0	0	0	0	0	0	10	0	25	0
60	Jhajjar PHESD No 5	8	0	0	8	2	0	0	2	2	0	22	0	4	0
	Division Total	22	0	0	22	2	0	0	2	2	0	32	0	29	0
	<b>Koshi PHED</b>														
61	Kosli PHESD No 1	21	0	0	21	2	0	0	2	15	0	12	0	14	0
62	Kosli PHESD No. 2	4	0	0	4	0	0	0	0	1	0	0	0	2	0
	Division Total	25	0	0	25	2	0	0	2	16	0	12	0	16	0
	Circle Total	145	4	3	152	22	0	0	22	40	0	159	2	115	10
	<b>Jind</b>														
	<b>Jind PHED</b>														
63	Jind PHESD No 1	24	0	0	24	24	0	0	24	34	0	43	0	9	0
64	Jind PHESD No 2	0	0	0	0	0	1	0	1	1	47	0	0	0	0
65	Jukana PHESD	20	0	0	20	8	0	0	8	13	0	31	0	12	0
66	Salidon PHESD	15	0	0	15	16	1	0	17	25	19	21	0	7	0
	Division Total	59	0	0	59	48	2	0	50	73	66	95	0	28	0
	<b>Narwana PHED</b>														
67	Narwana PHESD No 1	21	0	0	21	7	0	0	7	28	0	7	0	8	0
68	Narwana UPHESD No 2	22	2	0	24	2	0	0	2	8	0	9	3	22	3
69	Uchana PHESD	26	2	0	28	1	0	0	1	10	0	4	0	12	2
	Division Total	69	4	0	73	10	0	0	10	46	0	20	3	42	5
	Circle Total	128	4	0	132	58	2	0	60	119	66	115	3	70	5

Sr No	Circle/Division/ Subdivision	Canal Based				TW Based				Tubewell				Booster	
		Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban
Kaithal															
Kaithal PHED No 1															
70	Kaithal PHESD No 1	6	2	0	8	11	0	0	11	25	46	2	0	0	11
71	Kaithal PHESD No 2	8	0	0	8	41	0	0	41	86	0	0	0	0	0
72	Pundri PHESD	4	1	0	5	18	2	0	20	65	10	4	0	0	0
Division Total		18	3	0	21	70	2	0	72	176	56	6	0	0	11
Kaithal PHED No 2															
73	Guhla PHESD	1	0	0	1	32	3	0	35	61	24	0	0	2	1
74	Kaithal PHESD No 4	23	0	0	23	8	0	1	9	34	2	13	0	5	0
75	Kalayati PHESD	25	1	0	26	6	0	0	6	10	2	8	0	6	3
Division Total		49	1	0	50	46	3	1	50	105	28	21	0	13	4
Kaithal PHED No 3															
76	Kaithal PHESD No 5	0	1	0	1	0	0	0	0	0	3	0	0	0	2
77	Kaithal PHESD No 6	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Division Total		0	2	0	2	0	0	0	0	0	3	0	0	0	2
Kurukshetra PHED															
78	Kurukshetra PHESD No 1	0	0	0	0	105	3	4	112	117	12	0	1	0	0
79	Kurukshetra PHESD No 4	0	0	0	0	1	0	0	1	1	0	0	0	0	0
80	Ladwa PHESD	0	0	0	0	83	1	0	84	89	7	1	0	0	0
81	Pehowa UPHESD	0	0	0	0	44	2	0	46	61	22	0	0	0	0
82	Shahbad PHED	0	0	0	0	98	3	0	101	101	27	0	0	0	0
Division Total		0	0	0	0	331	9	4	344	369	68	1	1	0	0
Circle Total		67	6	0	73	447	14	5	466	650	155	28	1	13	17
Karnal															
Karnal PHED No 1															
83	Assandh PHESD No 1	5	0	0	5	33	1	0	34	30	1	2	0	0	0
84	Indri PHESD	0	0	0	0	96	15	0	111	71	7	8	0	2	1
85	Karnal PHESD No 3	0	0	0	0	181	13	2	196	251	44	31	2	7	1
86	Karnal UPHESD No 2	0	0	0	0	59	89	18	166	51	104	0	0	1	4
Division Total		5	0	0	5	369	118	20	507	403	156	13	2	10	6
Karnal PHED No. 2															
87	Assandh PHESD No 2	0	1	0	1	0	2	0	2	0	2	0	0	0	1
88	Karnal UPHESD No 1	0	0	0	0	0	0	1	1	0	1	0	0	0	0
Division Total		0	1	0	1	0	2	1	3	0	3	0	0	0	1
Panipat PHED No 1															
89	Panipat PHESD No 4	16	0	0	16	36	35	0	71	31	34	5	0	2	0
90	Panipat UPHESD No 1	0	0	0	0	1	122	0	123	1	92	0	14	0	0
91	Panipat UPHESD No 2	18	0	0	18	27	4	0	31	18	3	9	0	0	0
Division Total		34	0	0	34	64	161	0	225	50	129	14	14	2	0
Panipat PHED No 2															
92	Panipat PHESD No 3	0	0	0	0	18	2	1	21	17	0	0	0	3	0
93	Samadha PHESD	0	0	0	0	87	6	0	93	77	23	0	0	2	0
Division Total		0	0	0	0	105	8	1	114	94	23	0	0	5	0
Circle Total		39	1	0	40	538	289	22	849	547	311	27	16	17	7

		Canal Based				TW Based				Tubewell				Booster	
Sr No	Circle/Division/ Subdivision	Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban
Narnaul															
Mohindergarh PHED															
94	Mohindergarh PHED No 1	2	0	0	2	7	0	0	7	48	0	0	0	5	0
95	Mohindergarh PHED No 2	2	1	0	3	1	0	3	4	6	22	0	2	2	9
96	Mohindergarh PHED No 3	2	0	0	2	2	0	0	2	21	0	0	0	1	0
Division Total		6	1	0	7	10	0	3	13	75	22	0	2	8	9
Narnaul PHED No 1															
97	Narnaul PHED No 1	4	0	0	4	1	0	0	1	40	0	1	0	2	0
98	Narnaul PHED No 3	4	2	0	6	4	0	0	4	68	32	0	0	5	8
99	Narnaul UPHED No 2	1	0	0	1	17	0	0	17	179	0	0	0	4	0
Division Total		9	2	0	11	22	0	0	22	287	32	1	0	11	8
Narnaul PHED No. 3															
100	Narnaul PHED No 6	2	1	0	3	4	0	0	4	32	9	0	0	2	2
101	Narnaul PHED No. 7	6	1	0	7	1	0	0	1	28	4	1	2	2	1
Division Total		8	2	0	10	5	0	0	5	60	13	1	2	4	3
Circle Total		23	5	0	28	37	0	3	40	422	67	2	4	23	20
Palwal															
Nuh (P) PHED No 1															
102	F/ Zerikha PHED No 1	0	0	0	0	85	2	0	87	171	22	1	0	28	1
103	Nuh PHED No. 2	1	0	0	1	32	2	0	34	93	0	6	0	13	7
104	Tauru PHED	1	0	0	1	63	2	1	66	200	31	0	0	5	1
Division Total		2	0	0	2	180	6	1	187	464	53	7	0	46	9
Palwal (P) PHED No 2															
105	Hathin PHED	0	0	0	0	64	1	2	67	86	0	29	0	77	0
106	Nuh (P) PHED No 1	0	0	0	0	2	0	0	2	0	0	9	0	50	0
107	Palwal (GWT) PHED No 2	0	0	0	0	2	0	0	2	24	0	27	0	66	0
108	Palwal PHED No 4	0	0	0	0	3	0	0	3	1	0	7	0	19	0
109	Purhana PHED No 3	0	0	0	0	4	0	0	4	0	0	26	0	73	0
Division Total		0	0	0	0	75	1	2	78	111	0	98	0	285	0
Palwal PHED No 3															
110	Model PHED	0	0	0	0	41	2	0	43	64	10	6	2	18	3
111	Palwal PHED No. 2	0	0	0	0	102	0	0	102	114	0	72	0	26	0
112	Palwal UPHED No 1	0	0	0	0	30	1	1	32	76	47	3	13	6	3
Division Total		0	0	0	0	173	3	1	177	254	57	81	15	50	6
Circle Total		2	0	0	2	428	10	4	442	829	110	186	15	381	15
Rewari															
Rewari PHED No 1															
113	Bawal PHED	3	1	0	4	17	1	0	18	21	6	0	0	7	1
114	Rewari PHED No 2	7	0	0	7	6	0	0	6	18	0	9	0	10	0
115	Rewan PHED No 3	3	0	0	3	4	0	0	4	10	0	0	0	6	0
116	Rewan UPHED No 1	2	2	0	4	4	0	0	4	6	8	1	0	2	10
Division Total		15	3	0	18	31	1	0	32	55	14	10	0	25	11

Sr No	Circle/Division/ Subdivision	Canal Based				TW Based				Tubewell				Booster		
		Rural	Urban	Govt	Total	Rural	Urban	Govt	Total	Rural Deep	Urban Deep	Rural Shallow	Urban Shallow	Rural	Urban	
Rewari PHED No 2																
117	Dharuhera PHESD	0	0	0	0	1	0	0	1	5	0	0	0	0	1	0
Division Total		0	0	0	0	1	0	0	1	5	0	0	0	0	1	0
Circle Total		15	3	0	18	32	1	0	33	60	14	10	0	26	11	
Rohtak																
Rohtak PHED No 1																
118	Rohtak PHESD No 3	20	1	0	21	1	0	0	1	0	0	12	0	23	2	
119	Rohtak PHESD No 4	17	0	0	17	0	0	0	0	0	0	16	0	16	0	
120	Rohtak PHESD No 5	0	0	1	1	0	0	0	0	0	0	0	0	0	3	
121	Rohtak PHESD No 7	25	0	0	25	3	0	0	3	0	0	21	0	21	0	
Division Total		62	1	1	64	4	0	0	4	0	0	49	0	60	5	
Rohtak PHED No 2																
122	Meham PHESD	28	2	0	30	0	0	0	0	0	0	26	0	27	3	
123	Rohtak PHESD No 2	8	3	0	11	1	0	0	1	1	0	8	6	4	22	
124	Sample PHESD	19	2	0	21	1	0	0	1	1	0	28	0	9	4	
Division Total		55	7	0	62	2	0	0	2	2	0	62	6	40	29	
Rohtak PHED No. 3																
125	Rohtak PHESD No 9	0	3	0	3	0	0	0	0	0	0	0	0	0	0	
Division Total		0	3	0	3	0	0	0	0	0	0	0	0	0	0	
Circle Total		17	11	1	29	6	0	0	6	2	0	111	6	100	34	
Sirsa																
Fatehabad PHED No 2																
126	Fatehabad PHESD No 2	35	0	0	35	32	2	0	34	35	10	1	1	22	0	
127	Fatehabad PHESD No 3	43	1	0	44	2	0	1	3	2	29	2	0	26	0	
128	Tohana PHESD No 1	17	2	0	19	12	0	0	12	21	9	0	0	13	2	
Division Total		95	3	0	98	46	2	1	49	58	48	3	1	61	2	
Sirsa PHED No. 1																
129	Dabwali PHESD No 1	57	1	0	58	0	0	0	0	6	0	2	0	8	0	
130	Sirsa PHESD No. 3	19	1	0	20	6	0	0	6	22	42	0	1	1	3	
131	Sirsa PHESD No. 5	21	2	0	23	8	0	0	8	20	25	6	4	1	0	
Division Total		97	4	0	101	14	0	0	14	48	67	8	5	10	3	
Sirsa PHED No. 2																
132	Dabwali PHESD No 3	38	1	0	39	0	0	0	0	11	0	11	0	8	0	
133	Etenabad PHESD No 1	40	2	0	42	6	5	1	12	21	4	0	0	3	0	
134	Sirsa PHESD No 4	61	1	2	64	7	0	0	7	15	0	3	0	3	0	
Division Total		139	4	2	145	13	5	1	19	47	4	14	0	14	0	
Circle Total		331	11	2	344	73	7	2	82	153	119	25	6	85	5	
Sonapat																
Gohana PHED No 1																
135	Gohana PHESD No 2	4	1	0	5	2	0	0	2	2	0	6	8	0	4	
136	Gohana PHESD No 3	23	0	0	23	6	0	0	6	8	0	27	0	8	0	
Division Total		27	1	0	28	8	0	0	8	10	0	33	8	8	4	



Sr N	Circle/Division/ Subdivision	Ca al B sed				TW B sed				T b w ll				Boost	
		Rural	Urban	Govt	Total	Rural	Urban	Govt	T tal	Ru al Deep	Urba Deep	Rural Shallow	Urb n Shallow	Rural	Urba
G hana PHED N 2															
137	Gohana PHED No 1 (U)	35	1	0	36	2	0	0	2	0	0	40	0	20	0
	Disl n T tal	35	1	0	36	2	0	0	2	0	0	40	0	20	0
So Ip t (D a d P) PHED															
138	Kharikhoda PHED	20	1	0	21	16	0	0	16	33	2	29	2	7	0
139	Sonip t PHED No 3	1	0	0	1	7	0	0	7	7	0	7	0	3	0
140	Sonipat PHED No 4	0	1	0	1	0	1	0	1	0	46	0	27	0	9
	D l i T tal	21	2	0	23	23	1	0	24	40	48	36	29	10	9
So Ip t PHED N 2															
141	Sonipat PHED No. 5	3	0	1	4	33	0	0	33	45	0	32	0	1	0
142	Sonipat PHED No 7	2	0	1	3	9	0	0	9	11	0	5	1	0	0
	D l s on T tal	5	0	2	7	42	0	0	42	56	0	37	1	1	0
Sonipat PHED N 3															
143	Gen ur PHED No 1	9	0	0	9	70	1	0	71	111	9	39	0	0	0
144	Gansur PHED No 2	0	1	0	1	0	0	0	0	0	1	0	0	0	0
	Div sl n T tal	9	1	0	10	70	1	0	71	111	10	39	0	0	0
	Ctrcl T tal	97	5	2	104	145	2	0	147	217	58	185	38	39	13
	Gra d Total	1420	79	12	1511	3202	527	70	3799	5259	1406	1009	127	1320	223

## Detail of Sewage Treatment Plant

Sr No	Functional STP		In progress		Under process	
	Name of town	Capacity (in MLD)	Name of town	Capacity (in MLD)	Name of town	Capacity (in MLD)
1	Ambala City	5 3 25	Ambala City	3 5,6	Dabwali	16 50
2	Bahadurgarh	18 36	Ambala Sadar	10	Dharuhera	9 50
3	Ben	2	Assandh	6	Farukh Nagar	3
4	Bhiwani	10 30	Ateji Mandi	2	Hassanpur	3
5	Charkhi Dadri	5	Bawani Khera	4 5	Haily Mandi	3 5
6	Fardabad	45, 50	Barwala	6	Kalanwali	9 5
7	Gohana	8 30	Bawal	3	Namaund	4
8	Gharaunda	3	Bhiwani	10 15, 15	Rania	6
9	Hodal	9	Charkhi Dadri	5	Safidon	9
10	Indri	1 5	Cheeka	10	Thanesar	25
11	Jagadhri	10	Ellenabad	7 5	Uklana	6 50
12	Jhajjar	5 5	Fatehabad	10		
13	Jind	15	Firozpur Jhirka	3		
14	Kaithal	10 10, 10	Ganaur	7		
15	Kalka	1 3	Gohana	3		
16	Kalanaur	3 5	Hansi	7 5 5		
17	Karnal	8 40	Hathin	4 5		
18	Meham	5	Hisar	15		
19	Narwana	3 5 3 75	Jind	5		
20	Panipat	10 35	Julana	4		
21	Palwal	9	Kalayat	1 5		
22	Rewari	8	Kanina	3		
23	Rohtak	10	Kharkhoda	4 5		
24	Sampla	4	Kalka	4 5		
25	Sonapat	30	Ladwa	7		
26	Sohna	6	Loharu	3 5		
27	Uchana	2	Mohindergarh	6 5		
28	Yamuna Nagar	25	Narangarh	3		
29			Narwana	3 5		
30			Nilokheri	6		
31			Nissing	4		
32			Nuh	3 8		
33			Namaut	8		
34			Pehowa	8		
35			Pinjore	5		
36			Pundri	3 5		
37			Punhana	4 5		
38			Pataudi	4 5		
39			Panipat	20 25		
40			Ratia	6 5		
41			Rewari	6 5 16		
42			Rohtak	19 5 14 40		
43			Sirsa	15 5		
44			Siwani	4		
45			Shahbad	11 5		
46			Samalkha	5		
47			Taoru	4 5		
48			Tohana	10		
49			Tarori	5 5		
50			Uchana	1 5		
	Total	37		60		11

**Committee made the following observations/recommendations**

1 The Committee would like to know the areas in the state where still the dependency is on Local Wells Hand Pumps and Private Tubwells the steps taken by the Department to ensure for supplying 100% drinking water through Taps

**2 Rajiv Gandhi Augmentation Drinking Water Project in Mewat Area -**

(i) is this scheme for a particular area or can it be spread to other water deficient areas of the State if so the committee be apprised of the latest position

(ii) The details of norms adopted for implementation of this scheme be intimated?

3 **Indira Gandhi Drinking Water Scheme** - The date when this scheme came into existence Division wise details of beneficiaries be provided and norms which were adopted to implement this scheme be also intimated with future plans

4 **Economic Stimulus Package** - Name of the 14 town selected under this scheme details of yard sticks adopted to select these 14 towns

5 **NCR Planning Board Scheme** - The source of water supply the details of finance received under this scheme during the last three years and the details of succession rate under this scheme be intimated to the committee

6 The details of areas where still the people are facing the problem of scarcity of drinking water the steps being taken to meet the demand

7 Name of defaulters who are not paying water using charges steps being taken up against the defaulters

8 Has the department implemented any quality monitoring and surveillance programmes for supply of hygienic and potable water to the people especially in rural area if so the details their of

9 Division wise details be provided of completion implementation succession rates of all the schemes

10 As per the information with the Committee 8 pipe lines are being laid for sewerage system whether is it sufficient for smooth disposal of sewerage water?

11 Details of villages and Towns where the ground water is saline and steps taken by the Department for providing drinking water particularly for such type of areas

12 **Canal based water supply schemes**

i) Steps taken by the Department in these circumstances where the water does not reach up to tail

- ii) Where the limit of municipal area has been extended whether the water supply has also been provided under canal based water supply scheme upto extended municipal area

13 The Committee would like to know whether there is any scheme to lay separate pipe lines for disposal of storm water

14 The Committee has desired that action be taken by the Department to shift the site of disputed land of treatment plant at Ambala Cantt and action taken thereof be intimated to the committee

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### (IRRIGATION DEPARTMENT)

**Committee prepared the following questionnaire**

Steps taken by the Department to save the damages caused by the floods particularly in Yamuna River and preventive measures taken by the Department in respect of other Rivers of Haryana State

Action plan of Irrigation Department for the year 2013- 2014(NABARD) relating to rehabilitation of water courses in the State

Whether any work without administrative approval can be sent to NABARD

Whether the works under action plan of Irrigation Department for the year 2013-14 have sent to NABARD if yes when the project was sent

The Details of distribution of water from Bhakra Dam in Haryana and the details of infrastructure of canals linked to this Dam upto Branch/Sub Branch as well as the original capacity of such canals and now their actual bearing capacity

Steps taken or to be taken to restore the original capacity

The total CCA in Acres under Bhakra System and the total Irrigation area in the last three Kharif and Rabi Crops

The system of canals with which Yamuna CCA is Supplemented by Bhakra Water

The system of canals with which Bhakra CCA is Supplemented by Yamuna Water

### REPLY OF THE DEPARTMENT

In order to have proper advance planning It has been decided that comprehensive planning of development works of Irrigation Department be carried out with reference to the approved budget for the year 2013 14 in the form of action plan for the year 2013 14 The brief is as under -

- 1 **4700 Rehabilitation of canal Network** - The total approved budget under the Head is **Rs 40 75 Crore** considering bank of sanctions up to 2 0 times the approved budget work that can be allowed under this head work out to be **Rs 81 50 Crore** under this head only 25 ongoing and 37 new works with total requirement of funds of **Rs 74 87 Crore** during the year 2013 14 & thereafter have been proposed
- 2 **4700 Bridges and other structures** - The total approved budget under the Head is **Rs 20 00 Crore** (rs 10 00 Crore (Gen)+Rs 10 00 Crore (SCSP)) considering bank of sanctions upto 2 0 times the approved budget works that can be allowed under this head work out to be **Rs 40 00 Crore** But the demand under the head is much more than the bank of sanctions under this head 6 ongoing and 109 new works with total requirement of funds of **Rs 51 35 Crore** during the year 2013 14 & thereafter have been proposed
- 3 **4700 improving capacity of pumps** - The total approved budget under the Head is **Rs 10 00 Crore** considering bank of sanctions upto 2 0 times the approved budget works that can be allowed under this head work out to be **Rs 20 00 Crore** under this head 1 ongoing and 4 new works with total requirement of funds of **Rs 16 71 Crore** during the year 2013 14 & thereafter have been proposed
- 4 **4700-Dadupur Nalvi** - The total approved budget under the Head is **Rs 6 50 Crore** considering bank sanctions upto 2 0 times the approved budget works that can be planned allowed under this head work out to be **Rs 13 00 Crore** under this head 6 ongoing with total requirement of funds of **Rs 13 63 Crore** during the year 2013 14 & thereafter have been proposed
- 5 **4700 Rehabilitation of water courses** - The total approved budget under the Head is **Rs 64 00 Crore** considering bank of sanctions upto 2 0 times works that can be planned under this head work out to be **Rs 128 00 Crore** under this head 107 ongoing and 269 new works with total requirement of funds of **Rs 127 87 Crore** during the year 2013 14 & thereafter have been proposed
- 6 **4701-New Minor** - The total approved budget under the Head is **Rs 24 65 Crore** considering bank of sanctions upto 2 5 times works that can be planned under this head work out to be **Rs 61 62 Crore** under this head 5 ongoing and 19 new works with total requirement of funds of **Rs 57 75 Crore** during the year 2013 14 & thereafter have been proposed

- 7 **4701-Ganga Flood Control Commission (GFCC)** - The total approved budget under the Head is **Rs 10 00 Crore**. However revised project under the schemes has already been submitted to GOI. Under this head 1 ongoing with total requirement of funds of **Rs 3 70 Crore** during the year 2013 14 have been proposed. The balance provision has been kept reserved for making payment of disputed works as and when decided by the Govt.
- 8 **4701-institutional Strengthening** - The total approved budget under the Head is **Rs 15 00 Crore** considering bank of sanctions upto 2 0 times the approved budget works that can be allowed under this head work out to be **Rs 30 00 Crore** under this head 13 ongoing and 75 new works with total requirement of funds of **Rs 31 87 Crore** during the year 2013 14 & thereafter have been proposed.
- 9 **4701-NABARD** - The total approved budget under the Head is **Rs 190 00 Crore** for already approved/new schemes. Considering bank of sanctions upto 2 times the approved budget works that can be allowed under NABARD worked out to be **Rs 380 00 Crore** under this head 141 ongoing and 402 new/already approved works with total balance requirement of funds of **Rs 285 82 Crore** during the year 2013-14 are proposed. In addition 75% share of AIBP schemes works out to be **Rs 53 05 Crore**. As such total requirement of funds under NABARD is **Rs 423 00 Crore** during the years. Some of these works may be extended up to 3 to 4 years.

**1 The Details of distribution of water from Bhakra Dam in Haryana and the details of infrastructure of canals linked to this Dam upto Branch/Sub Branch as well as the original capacity of such canals and now their actual bearing capacity**

Haryana receives supplies from two surface sources i.e. Bhakra and Yamuna. Inflows in Sutlej, Ravi & Beas are stored in Bhakra, Ranjeet Sagar Dam & Pong Dam respectively. Two canals i.e. Anandpur Sahib Hydel Channel (ASHC-33 Km Length) and Nangal Hydel Channel (NHC 64.50 Km length) are linked to Bhakra Dam. ASHC delivers water to Punjab whereas Haryana draws its share of Sutlej, Ravi & Beas from Bhakra Dam reservoir and supplies are received at Haryana Contact Points via route of NHC. Bhakra Main Line (BML 164.17 Km) and Narwana Branch (length 97.66 Km) at Rd-160000 of Narwana Branch and Rd 390000 of BML Canal respectively. The capacity of NHC at head is 12500 Cusecs. BML Canal at head is 12455 Cusecs (6774 cusecs at Haryana Contact Point) and Narwana Branch at head is 4500 cusecs (4022 cusecs at Haryana Contact Point). The actual taking capacity of NHC is 12500 Cusecs and the discharge at head of BML Canal is 11500 Cusecs and of

Narwana Branch at Haryana Contact Point is 4022 Cusecs. Main reason of running of less discharges from head of BML is that capacity of Nangal Hydel Channel is 12500 Cs. From which 1250 Cs is withdrawn by Punjab (750 Cs for Ropar Thermal Plant and 100 Cs for Patalpur Gurdawara and remaining for other uses). Thus the balance available water at Head of BML after losses of about 45 Cs remains only 11500 Cs. Thus water availability at BML head is only 11500 Cs to which the canal is O.K. Punjab uses 750 Cs for Ropar Thermal Plant and 100 Cs for Patalpur Gurdawara and other uses from its own share of 3000 Cs in capacity of BML. The plan showing the above channels is at (CP 1)

Narwana Branch ends at Budhera Complex from where it feeds Bhakra areas through Sirsa Branch System (Dhamtan Disty, Shudkan Disty, Barwala Branch and Balsamand Sub Branch) and habri Sub Branch System (rajaund Disty and Jakhola Disty) and Yanuna areas through NBK link Channel. The details are brought out in paras below.

Bhakra water received at RD 390000 of BML is used by Haryana through two systems i.e. BML-Barwala Link system and Tail BML system. BML Barwala link Channels originates from RD-466000 of BML Canal and Tail BML system starts at Tail BML i.e. RD 538630 of BML. The system of Channels is as under -

Name of Channels	Capacity (inCs )	Taking Capacity (inCs )
1 BML Canal	12455	11500 (as already explained)
2 Narwana Branch (0 16000)	4022	4022
3 Narwana Branch D/S Jhansa	3500	3000 (The less drawal in channel is due to availability of SYL canal which is running parallel)
4 Bhakra Main Branch (RD 538 tail)	3088.77	3088
5 Fatehabad Branch (RD 538 tail)	2025	2025
6 Fatehabad Dy (RD 538/tail)	229	229
7 Samain Dy (RD 538/tail)	54.77	54.77
8 Pirthala Dy (RD 538/tail)	77.10	77.10
9 Dhamtan L/C (RD 538/tail)	35.60	35.60
10 Tohana Dy (RD 529/R)	13.23	13.23
11 Kalwan Feeder (RD 529/L)	9.89	9.89

## 2 Steps taken or to be taken to restore the original capacity

From above tabulated figures it can be gathered that the taking capacity of the Bhakra Channels is O.K. As far as BML Canal is concerned only 11500 Cs water is available at the head for which the canal is O.K. However even the exiting capacity in Haryana area is sufficient as SYL Canal is being used for the balance discharges.



### 3 The total CCA in Acres under Bhakra System and the total Irrigated area in the last three Kharif and Rabi Crops

The total CCA in Bhakra system is 32.33 lac acres. The total irrigated area in the last three Kharif and rabi crops is attached at (CP-2)

Total area irrigated in Bhakra system during the last three Kharif and Rabi Crops

#### Figures in Lac-Hectares

Name of Circle	CCA	Kharif	Rabi	Total
<b>Year 2010 11</b>				
SYL circle Ambala	0.88	0.13	0.13	0.26
BWSC Kaithal	3.30	1.05	1.13	2.18
BWSC I Hissar	2.71	1.96	2.35	4.31
BWSC II Hissar	2.17	1.24	1.34	2.58
BWSC Sirsa	3.91	2.22	2.49	4.71
<b>Total</b>	<b>12.97</b>	<b>6.60</b>	<b>7.44</b>	<b>14.04</b>
<b>Year 2011 12</b>				
SYL circle Ambala	0.88	0.14	0.12	0.26
BWSC Kaithal	3.42	1.15	1.16	2.31
BWSC I Hissar	2.89	1.49	1.75	3.24
BWSC II Hissar	2.15	1.26	1.30	2.56
BWSC Sirsa	3.84	2.34	2.47	4.81
<b>Total</b>	<b>13.18</b>	<b>6.38</b>	<b>6.80</b>	<b>13.18</b>
<b>Year 2012 13</b>				
SYL circle Ambala	0.88	0.13	0.13	0.26
BWSC Kaithal	3.42	1.16	1.16	2.32
BWSC I Hissar	2.98	1.49	1.76	3.25
BWSC II Hissar	2.03	1.20	1.18	2.38
BWSC Sirsa	3.81	2.38	2.48	4.86
<b>Total</b>	<b>13.12</b>	<b>6.37</b>	<b>6.71</b>	<b>13.08</b>
<b>G Total</b>	<b>39.27</b>	<b>19.35</b>	<b>20.95</b>	<b>40.30</b>
<b>Average</b>	<b>13.09</b> (or 32.33 lac acres)	<b>6.45</b>	<b>6.98</b>	<b>13.43</b> (102.62 /)

### 4 The system of canals with which Yamuna CCA is Supplemented by Bhakra Water

Bhakra water supplement the entire Yamuna CCA below Budhera head from October to June. Bhakra water received at RD 160000 of Narwana Branch goes to Narwana Branch Sirsa Branch system i.e. Budhera head where Narwana Branch ends and from there Bhakra water supplements the Yamuna System through NBK Link and SYL Canal. 496 Cusecs of Bhakra water is also supplied to Delhi through NBK Link channel.

Further there is another system also through which Yamuna CCA is supplemented by Bhakra water i.e. through Balsamand Sub Branch system which distributes water to Yamuna areas through Sewani feeder and Sewani Canal.

The system of canals is		Capacity (in Cs )
1	NBK link	2716
2	SYL Canal	6200
3	WJC Branch	11500
4	Parallel Delhi Branch	5645
5	Delhi Branch	1738
6	Hansi Branch	8000
7	Butana Branch	4659.41
8	Nigana Feeder/Canal	298.00
9	Mithathal Feeder	299
10	Sunder Sub Branch	2600

**5 The system of canals with which Bhakra CCA is Supplemented by Yamuna Water**

Yamuna Water supplement the Bhakra CCA below Budhera head through Sirsa Branch Sysytem Sirsa Branch originating from Indri is used to supply Yamuna Water to Bhakra system when surplus supplies in Yamuna are available The Yamuna water through Sirsa Branch is supplied to Bhakra areas below Budhera head through two separate systems i.e Sirsa Branch System (Dhamtan Disty Shudkan Disty Barwala Branch and Balsamand Sub Branch) and Habri Sub Branch System distributes water through Rajaund Disty and Jakholi Disty

The system of canals is -		Capacity (in Cs )
1	Sirsa Branch	2800
2	Dhamtan Disty	571
3	Shudkan Disty	535.56
4	Barwala Branch	1943.50
5	Balsamand S/Branch	754
6	Habir S/Branch	902.71
7	Rajaund Disty	446
8	Jakholi Disty	163

**Committee made the following observations/recommendations**

- 1 The Committee would like to know whether the amount of Rs 22 00 Crore sanctioned for River Disaster Management Department which was to be spent within the month of July 2013 has been utilized within the prescribed period or not and repairs work has been carried out at all the points which were explained during oral examination on 10<sup>th</sup> July 2013
  - 2 The Committee was apprised that Drains can be got cleaned under the NAREGA Scheme therefore the committee would like to know how much work in this regard has been done under this scheme districtwise details thereof be submitted by the Department
  - 3 During the oral examination it was pointed out by Shri Ram Pal Majra MLA that on the sites of Hansi Butana and Ghagger Canal stone pitching was being illegally removed then the committee was assured that after visiting on the spot committee will be apprised about the position within two days but no such report has been submitted to the committee till the preparation of this report Therefore the Committee be apprised of the latest position
  - 4 It was replied that administration approval has not been accorded under NABARD Schemes As the remodeling of Water Courses are directly beneficial for farmers therefore Committee would like that a proper proposal for the construction of water courses be prepared and the Committee be apprised of the action taken in this regard
  - 5 The Committee would like that suitable steps be taken by the Department to stop the theft of canal water to ensure the water supply to tail
-

## **POWER DEPARTMENT**

**Committee prepared the following questionnaire**

- 1 New Projects ongoing projects and details of Budget allocation under different schemes of Power Department
- 2 (i) Districtwise status report of Self Financing Scheme for Tubewell connections  
(ii) Efforts done for reducing AT & C losses of feeders where the losses are more than 50%

## REPLY OF DEPARTMENT

### Details of ongoing projects of Haryana Power Utilities

#### HPGCL

HPGCL has planned to setup 1x660 MW supercritical Unit at exiting 2x300 MW DCRTTP Yamuna Nagar State Government had accorded administrative approval on 30 09 2009 for setting up of this project The project is unable to move forward due to non allocation of Coal The project is expected to be commissioned in 13<sup>th</sup> Five Year Plan

HPGCL is the nodal agency for facilitating the setting up the 2800 MW (4x700MW) Nuclear Power Plant by Nuclear Power Corporation of India Ltd (NPCIL) The process of land acquisition has been completed Under the first phase of this project 2x700 MW Units (1400 MW) are proposed to be setup by 2020 at an estimated cost of Rs 14 500 Crore

Haryana power Generation Corporation Limited (HPGCL) has planned to set up a 2x750MW (+5%) Gas based power plant at Faridabad under the state sector The gas requirement for the proposed is expected to be commissioned in 13<sup>th</sup> Five Year Plan after allocation of the required quantity of gas

Mara-II Mahan Coal Block in Madhya Pardesh was allocated jointly to Government of NCT Delhi and HPGCL on 2<sup>nd</sup> August 2006 The development of Mara II mahan coal block is held up because the prospecting of the coal block can not be started due to non grant of Forest Clearance by MOE&F

Kalyanpur-Badalpara Coal Block of Brahmani Coal field in district Dumka Jharkhand having coal reserve of 102 MT approx has been recently allocated jointly to HPGCL Haryana and UPRVUNL Uttar Pardesh in 50 50 ration i e 51 MT each Steps will be initiated for development of the same in due course

Possibilities are being explored for setting up a 1500-2000 MW Hydel Power Project in Bhutan in joint venture between Royal Government of Bhutan and Government of Haryana

#### HVPNL

The detailed approved program for the transmission works under construction/to be constructed during 2013 14 is as under

Category	New Substations		Augmentation		Transmission Lines	
	No	Cost (in Crore)	No	Cost (in Crore)	Km	Cost (in Crore)
400 KV	—	—	—	—	29 500	59 00
220 KV	5	140 00	2	5 38	275 500	153 67
132 KV	10	107 77	26	65 40	375 000	137 82
66 KV	4	38 00	19	43 52	204 900	105 49
Total	19	285 77	47	114 30	884 900	455 98

From the above the transmission works of creation of 1 No new 66 KV substation and augmentation of 6 Nos substations i.e 1 No 220 KV substation 2 No 132 KV substations and 3 No 66 KV Substations have been completed during April 2013 to June 2013

### UHBVNL

Sr No	Description	Qty	Physical	Approximate Cost (in Crore)	Status								
1	Construction of new 33 KV substations	Nos	51	138.95	Work allotted in 40 Nos NIT Part I opened and under process (5 Nos ) NIT due to be opened on 18.07.2013 (06 Nos )								
2	Augmentation of exiting 33 KV substations	Nos	63	80.52	Work allotted in 44 Nos NIT Part I opened and under process (15 Nos ) & NIT under process (04 Nos )								
3	Erection of new 33 KV lines	Km	313.30	22.71	Work allotted in 182.20 Km NIT under process in 131.10 Km								
4	Augmentation of exiting 33 KV lines	Km	307.53	19.22	Work allotted in 188.40 Km NIT under process in 119.13 Km								
5	Bifurcation/ Trifurcation of over loaded 11 KV feeders	Nos	173 to 354	47.92	Work allotted for 29x61 Nos feeders NIT under process for 144 to 293 Nos feeders								
6	R APDPR (Part A)	—	—	91.80	<p>Part A covers IT implementation viz à viz GIS (Asset Mapping/ Painting and consumer indexing) Data Center Disaster Recovery Center and customer Care Center. The project is awarded to M/s RCL Tech on dated 23.11.2012 and is scheduled to be completed by May 2014.</p> <table><tr><th>Sr No</th><th>Name of Activity</th><th>Started</th><th>Completed by</th></tr><tr><td>1</td><td>GIS (Asset Mapping / Painting and consumer indexing)</td><td>March 2013</td><td>Feb-2014</td></tr></table>	Sr No	Name of Activity	Started	Completed by	1	GIS (Asset Mapping / Painting and consumer indexing)	March 2013	Feb-2014
Sr No	Name of Activity	Started	Completed by										
1	GIS (Asset Mapping / Painting and consumer indexing)	March 2013	Feb-2014										

					<table><tr><td>2</td><td>Data Center</td><td>Dec 2012</td><td>Oct.2013</td></tr><tr><td>3</td><td>Disaster Recovery Center</td><td>May 2013</td><td>Dec 2013</td></tr><tr><td>4</td><td>customer Care Center</td><td>April 2013</td><td>Oct.2013</td></tr></table>	2	Data Center	Dec 2012	Oct.2013	3	Disaster Recovery Center	May 2013	Dec 2013	4	customer Care Center	April 2013	Oct.2013
2	Data Center	Dec 2012	Oct.2013														
3	Disaster Recovery Center	May 2013	Dec 2013														
4	customer Care Center	April 2013	Oct.2013														
7	DT Metering (R APDRP Part A)	—	—	16 67	Foot survey has been completed by M/s/ Omne Agate and GTPs/Drawings has been approved												
8	R APDRP (Part B)—20 towns	—	—	488 48	System strengthening project cost of Rs 488 48 Cr For 19 Nos town out of 20 nos under part B has been sanctioned by steering committee documentation of 19 nos (12+7) towns have been completed on 30 01 2012 & 21 08 2012 respectively to avail the loan amount of Rs 122 14 Cr (Rs 57 69 Cr +64 45 Cr) However to upgrade the DPRs the work is under execution by M/s PFC consultancy Ltd New Delhi Updated DPRs of 13 towns have been received and for balance 7 towns shall be received upto 30 07 2013 The updated DPRs have been submitted to MOP/ PFC and likely to be approved shortly												
9	Shifting of meters in pillar box	Nos	47252	22 41	Work allotted												
10	AMR above 10KW load	Nos	63433	87 07	NIT under process												
11	Pryadarshani Awasth Yojna	Nos	163521	72 57	NIT Part I to be opened on 16 07 2013												
12	Maintenance free earthing using ground Enhancing Material (GEM) in Pillar Box scheme and DT s etc of Non RAPDRP area	Nos	46700	26 15	NIT Part I opened on 02 07 2013 and under evaluation												
13	HVDS (Kairthai Circle)	Nos	5912	44 11	Work allotted												
14	Release of HT T/well connections under (OP) Circle	Nos	2236	20 06	NIT Part I to be opened on 17 07 2013 in respect of (OP) Circle Yamuna Nagar & Sonapat												
			8300	100 50	For remaining Circle NIT under process by SEs (OP)												
15	Pilot project to implement smart grid in OP city S/Dwn Panipat	Nos	31000	46 76	DPR prepared and submitted to Ministry of Power for approval/sanction												
			TOTAL	1325 90													

**DHBVNL**

Sr No	Description	Qty	Physical	Approx imate Cost (in Crore)	Status												
1	Construction of new 33 KV substations	Nos	34	86.80	Work allotted in 26 Nos Tender under process for 8 Nos (3 Nos S/Stn Tender decided by HPPC in meeting dated 09.07.2013 for 5 Nos Sub/Stn Tender in process)												
2	Augmentation of existing 33 KV substations	Nos	14	11.88	Work allotted of 14 Nos												
3	Erection of new 33 KV lines	Km	340.00	17.00	260 Km line work allotted in 26 No substations remaining 80 Km is under process												
4	Augmentation of existing 33 KV lines	Km	87.85	5.21	Work in progress of 45.35 Km work allotted of 42.5 Km												
5	Bifurcation/ Trifurcation of over loaded 11 KV feeders	Nos	119	110.00	Work in progress of 119 Nos												
6	R APDRP (Part A)	—	—	90.47	<p>Part A covers IT implementation viz a /is GIS (Asset Mapping/ Painting and consumer indexing) Data Center Disaster Recovery Center and customer Care Center. The project is awarded to M/s RCL Tech. on dated 23.11.2012 and is scheduled to be completed by May 2014.</p> <table><tr><th>Sr No</th><th>Name of Activity</th><th>Start ed</th><th>Completed by</th></tr><tr><td>1</td><td>GIS (Asset Mapping / Painting and consumer indexing)</td><td>March 2013</td><td>Feb-2014</td></tr><tr><td>2</td><td>Data Center</td><td>Dec 2012</td><td>Oct.2013</td></tr></table>	Sr No	Name of Activity	Start ed	Completed by	1	GIS (Asset Mapping / Painting and consumer indexing)	March 2013	Feb-2014	2	Data Center	Dec 2012	Oct.2013
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1	GIS (Asset Mapping / Painting and consumer indexing)	March 2013	Feb-2014														
2	Data Center	Dec 2012	Oct.2013														



					<table><tr><td>3</td><td>Disaster Recovery Center</td><td>May 2013</td><td>Dec 2013</td></tr><tr><td>4</td><td>customer Care Center</td><td>April 2013</td><td>Oct 2013</td></tr></table>	3	Disaster Recovery Center	May 2013	Dec 2013	4	customer Care Center	April 2013	Oct 2013
3	Disaster Recovery Center	May 2013	Dec 2013										
4	customer Care Center	April 2013	Oct 2013										
7	DT Metering (R APDRP Part A)	--	—	21 44	Foot survey is being done by M/s/ Omne Agate and GTPs/Drawings are under approval								
8	R APDRP (Part B)—13 towns	—	—	185 10	System strengthening project cost of Rs 185 10 Cr For 13 Nos town out of 16 nos under part B has been sanctioned by steering committee However these 13 DPRs are being got revised due to technical grounds 9 No revised DPR submitted to PFC sanction is awaited The Tender shall be floated after the sanction of the DPRs by PFC								
9	Shifting of meters in pillar box	Nos	131300	120 00	Work is being allotted								
10	AMR above 10KW load	Nos	85567	105 00	NIT floated on 22 05 13 and is to be opened on 12 08 13								
11	Priyadarshani Awas Yojna	Nos	130830	96 55	NIT for all 10 district in DHBVN has been floated								
12	Maintenance free earthing using ground Enhancing Matenal (GEM) in Pillar Box scheme and DT s etc of	Nos	32300	18 00									

	Non RAPDRR area				
13	HVDS (Lt connectivity of already executed HVDS works/ new works)			101 35	The case for allowing administrative approval for carrying out LT connectivity for already executed HVDS work has been submitted to Hon ble CM Haryana
			TOTAL	968 80	

## Annexure-I

**Subject - District wise status report of Self Financing scheme for Tube well connections**

The revised policy for release of connection under Self Financing Scheme was notified on dated 23 05 2012 wherein the applicant is to undertake all the erection work however the transformer will be provided by Nigam

The year wise details of tubewell connections released departmentally and under self financing scheme are given below

Financial Year	Nos of connections released			
	Department basis	Trunkey	Self Financing Scheme	Total
2011 12	5941		14867	20808
2012 13	6053		13978	20031
2013 14 (upto September 2013)	3638		6801	10439

The status of pending tubewell applications under departmental and self financing schemes are given as under

Pending Tubewell Applications		
Department Trunkey basis	Self Financing Scheme	Total
13074	4694	17768
Likely date of release 31 03 2014	Likely date of release 31 12 2013	

The district wise status of release and pending tube well connections under self financing scheme during FY-2013 14 (up to September 2013) is given as under

Sr No	Name of District	Nos of connections Released during APR 2013 to September 2013	Pending applications under self financing scheme
1	Ambala	74	6
2	Panchkula	53	0
3	Yamuna Nagar	624	79
4	Kurukshetra	198	15
5	Kaithal	298	118
6	Kamal	467	303
7	Panipat	66	167
8	Sonepat	574	442
9	Rohtak	67	0
10	Jhajjar	111	11
11	Faridabad	84	69
12	Palwal	126	106
13	Gurgaon	88	267
14	Mewat	119	96
15	Mohindergharh	367	435

16	Rewan	203	202
17	Bhawan	806	1517
18	Hissar	540	258
19	Fatehabad	694	63
20	Sirsa	824	73
21	Jind	418	467
TOTAL		6801	4694

The district wise status of release of connections & pendency under departmental scheme is attached as Annexure A

## Annexure- A

**Subject - District wise status report of Departmental/Turn Key for Tube Well Connections**

Sr No	Name of District	Nos of connections Released during APR 2013 to September 2013	Number of applications Pending where consumer has deposited full amount
1	Ambala	69	316
2	Panchkula	0	132
3	Yamuna Nagar	221	1578
4	Kurukshetra	118	111
5	Kaithal	450	774
6	Kamal	132	1572
7	Panipat	84	975
8	Sonepat	205	1098
9	Rohtak	30	673
10	Jhajjar	139	678
11	Fardabac	25	73
12	Palwal	170	374
13	Gurgaon	0	524
14	Mewat	26	283
15	Mohindergarh	27	39
16	Rewari	55	324
17	Bhiwani	489	398
18	Hissar	106	522
19	Fatehabad	232	210
20	Sirsa	382	1288
21	Jind	678	1132
<b>TOTAL</b>		<b>3638</b>	<b>13074</b>

## Annexure-II

**Subject Efforts done for reducing the losses where the losses are more than 50%**

The accurate feeder wise AT&C loss figures are not available as the feeder indexing is being completed. The accurate feeder wise losses will be available by December-2013 when the 100% indexed computerized data is available. However, notional data based on allocation of losses on a category and feeders within a sub-division regarding no. of 11 KV feeders where AT&C losses are more than 50% for the period from April-2013 to June 2013 is given as under -

Sr No	Name of Circle	Rural DS	AP	Urban/ Mix Urban	Total
1	Ambala	36	0	2	38
2	Yamuna Nagar	67	0	2	69
3	Kurukshetra	88	0	9	97
4	Kaithal	103	0	16	119
5	Kamal	123	0	8	131
6	Panipat	52	0	0	52
7	Rohtak	65	0	3	68
8	Sonepat	94	0	0	94
9	Jhajjar	54	0	2	56
10	Jind	90	0	13	103
11	Hissar	115	12	4	131
12	Nhawan	60	13	7	80
13	Sirsa	2	0	1	3
14	Fardabad	27	7	6	40
15	Gurgaon	21	3	5	29
16	Namau	29	0	3	32
17	Rewari	18	4	2	24
<b>Grand Total</b>		<b>1044</b>	<b>39</b>	<b>83</b>	<b>1166</b>

For reducing the AT&C losses the description of major efforts being undertaken by UHBVN & DHBVN is given as under

**(A) General Measures -**

Input based targets given up to sub division level. Even after adjusting for the increase in the tariff/ FSA there is a 3% 4% increase which signifies AT&C loss reduction.

Feeder indexing is being done so that the losses can be ascertained on a feeder right from input to the consumer end. The work is 100% complete and delta changes are being undertaken.

RAPDRP implementation is on track. It will facilitate energy accounting and auditing feeder wise and even DT wise in 36 towns.

- (a) In part A Rs 145 crore (100% grant) are to be spent for energy accounting and auditing.

- (b) In Part B Rs 1100 crores will be spent for system strengthening 50% loan converted to grant is losses brought down to 15% or on proportionate basis if less loss reduction is achieved

Metering initiatives Automatic Meter Reading (AMR) has been implemented on HT industrial consumers Under impact study in Ambala Circle an increase of Rs 0.20 per unit was observed and for total UHBVN total expected benefit is Rs 4.28 crores per month AMR will be further expanded to cover all the consumers above 10 KW

The readings of other consumers will be taken from optical ports and IR to eliminate manual intervention in meter reading (approx 10 lac meters to be covered this year and 10lacs next year)

100% computerized billing implemented

**(B) Measures being taken in Urban sector -**

Replacement of defective & Electro mechanical meters All the defective meters are planned to be expeditiously which is to be completed by march 2014 During the period from April 2013 100404 defective meters have been replaced with new meters

100% re location of meters from outside the premises to reduce theft and improve billing efficiency as on date 55% meters in Urban areas have been relocated

Stepping upto **Vigilance Checking** and online registration of FIR s With the online registration the number of FIR s registered has increased from 100 in January 2013 to 3 000 in September 2013 The increase in assessment and realization is given as under

Discom	2013 14			2012 13			Companson	
	Penalty imposed	Penalty Recovered	/ Recovery	Penalty imposed	Penalty Reco vered	/ Reco very	Increase in imposed penalty (%)	Increase in penalty Reco vered (%)
UHBVN	2503.35	1241.81	49.61	1614.61	872.58	54.04	55.04 /	42.31 /
DHBVN	1926.86	1038.02	53.87	1848.09	786.91	42.58	4.26 /	31.91 /
Total	4430.21	2279.83	51.46	3462.7	1659.49	47.92	27.94 /	37.38 %

**Note** Period April to July

Elimination of manual Reading in Phases by reading electronic meters through CMRI & Optical Port and the work is under implementation 10 lacs

meters to be replaced by optical port meters this year and 10 lacs in the next year

Implementation of R-APDRP in 36 towns The implementation of Part A is scheduled to be completed by May 2014 and is on track the award of which was pending for last three years

Rs 224 crores was recovered from disconnection of 1 76 790 no defaulting consumers during the period from April 2013 to July 2013 as compared to Rs 188 14 crores from the disconnection of 1 63 634 no defaulting consumers during the same period of the last Financial Year

In case of connected consumers the disconnection is effective in descending order and in case of PDCO consumers the premises of such consumers is forwarded to Vigilance Wing for preventing un authorized extension of supply and recovery of amount

In FY 2013 14 292 no 11 KV feeders are proposed to be bifurcate/trifurcate and strengthen along with creation of 66 no new 33 KV sub-station and augmentation of 92 no sub stations This will not only reduced technical losses but also in many cases the Utilities will be able to liquidate the pendency of industrial and Commercial connections for which the power could not be supplied due to constraints in the existing system

### **(C) Measures being taken in Rural sector**

Feeder Pillar Scheme to reduce theft and improving billing efficiency in rural which is motivated by giving various incentives to the consumers like giving supply hours on urban pattern 10% rebate in bi monthly energy bill for one year wherever the scheme is implemented on complete feeder Currently feeder pillar has been implemented on 25 villages and 6 feeders and the work on 108 villages is in progress In villages Singhran & Chirod (Hissar District) where the schemes has been implemented AT&C loss have been reduced by 61% collection efficiency increased by 26% input energy reduced by 43% and 105 nos of new connections have been added

One time settlement scheme has also been introduced to motivate consumers for feeder pillar scheme in due course by waving the defaulting amount charging on the basis of 1430 40 Rs Per KW per year of the sanction load Although under the scheme the amount is waived off but due to mandatory condition of shifting the meters outside and to be covered by Feeder Pillar scheme subsequently will result in reduction in line losses and increase billing which will have recurring benefits and all the waived off amount could be recovered with the payback period of two years

The benefit will be given to the villages only if 50% of the households are ready to take connection and allow their meters to be located outside the premises/Feeder pillar This will serve as a precursor to the feeder pillar scheme implementation in those villages



The benefit under scheme will be available only if the consumer agrees to pay 5 current bills regularly after paying one time settlement amount and 20% of the defaulting amount will be written off each time the current bill is paid. However if any consumer wants to pay 5 bills in advance (on MMC basis or average whichever is higher subject to adjustment of actual bills) then total defaulting amount will be waived off.

**Incentive for Regular payer** As an incentive the RDS consumers who have paid their bills regularly for the last one year rebate @ 10% will be given one time to them for that particular period on the amount of last 6 bi monthly bills.

**Village Improvement Scheme** As special village improvement programme is being carried out in all the villages w e f 01/01/2013 wherein all the essential maintenance activities are being carried out. The earthing of transformers and phase balancing resulting in technical loss reduction.

#### **(D) Measures being taken in Industrial sector**

Automatic Meter Reading (AMR) has been implemented on HT Industrial Consumers. Under impact study in Ambala Circle an increase of Rs 0.20 per unit was observed and for total UHBVN total expected benefit is Rs 4.28 crores per month. A dedicated analytical team has been constituted to do a detailed analysis of the AMR billing data and generate exception reports.

AMR will be further expanded to cover all the connection above 10 KW.

The billing of all the major consumers including mobile towers is being pre audited centrally and analyzed by dedicated analytical team.

M/s HESL has also been directed to collect the detailed data of every consumer i.e. complete address no. of ACs/ Geysers installed nature of business etc. which will be embedded in the billing data base for generating exception which will be subsequently used by Enforcement/ Vigilance Wings. The data of around 4 lacs consumers has already been collected.

**Committee made the following observations/recommendations**

- 1 Whether the Coal Block has been allotted to DCRTPP Yamuna Nagar if so how much power has been generated/distributed
  - 2 In its reply the Department has stated that HPGCC has planned to set up 92x750MW (+5%) gas based power plant at Faridabad Therefore the Committee would like to know the steps taken by the Department for getting allocation of required quantity of gas and whether any exact date has been fixed for commissioning of the project in the 13<sup>th</sup> five year plan
  - 3 During oral examination the committee was apprised that some special type of transformers are being brought from Gujarat for the Dhanu (s) The committee would like to know the latest progress in this regard
  - 4 The Committee would like to know details of debts on the Power Department and how the same is being settled with the Banks details of their of be intimated to the Committee
  - 5 The Committee would like to know present status of Tubewell connections Division wise details be provided
  - 6 Whether the Power Department has formulated any policy to deal with the theft of transformers as it was pointed out by the committee that generally Department officers try to lodge the FIR against the affected farmers whose transformers are stolen
  - 7 The Committee would like to know the details of action taken against the defaulter contractors who were engaged under HVDS system and Rajiv Gandhi Gramin Vidutkaran Yojna
  - 8 The Committee would like to know the Division wise details of outstanding amount of electricity bills against subscribers and the action taken or proposed to be taken against such defaulters
-

**PUBLIC WORKS (B&R) DEPARTMENT**

**Committee prepared the following questionnaire**

- 1 New Projects ongoing projects and details of Budget allocation under different schemes
- 2 Present status of National Highways/New National Highways/over Bridges and Railway over Bridges in the State

## REPLY OF DEPARTMENT

### ROAD NETWORK WITH PWD

Type of Road	Length in Kms (upto 09/2013)
National Highways	1565      State PWD 426 NHAJ      1139
State Highways	2422
Major District Roads	1471
Other District Roads	21606
<b>Total</b>	<b>27064</b>

#### A NATIONAL HIGHWAYS

Out of 1565 km length of NH 426 km of National Highways are being maintained with funds provided by Government of India through Ministry of Shipping Road Transport and Highways {455 km (426 km MORT&H + 129 km NHAJ deposit) Km by State PWD & 1010 Km by NHAJ}

The comparison with neighboring states upto 31-03 2013 is as under

		Haryana	Punjab	Himachal Pradesh
Length of NH maintained (in Kms)		541	1159	1390
NH(O)	Budget (in cr )	25	105	110
	Expenditure (in cr )	79	95	95
Periodic Renewal	Budget (in cr )	14	32	68
	Expenditure (in cr )	15	31	54

- Total length 1565 km PWD 426km NHAJ 1139 km
- 426 km NH 71 km are 4 laned 262 are 10m wide 81 Km are 7m wide 12 km are 6 71m or less wide
- Since 2005 to till date 444 km of NHs has been widened to 2 lane 648 km strengthened 7 7 km raised and 41 km has been widened to 4 lane

**B NATIONAL HIGHWAYS AUTHORITY OF INDIA (NHAI)****Projects Completed (Rs 3161 cr )**

Sr No	Name of project	Cost (Rs in cr )
1	Panipat Elevated Highway on NH 1	300
2	6/8 Lining of NH-8 from Delhi Border to Haldiram Chowk	700
3	4 laning of NH 22 in Ambala portion of Ambala Chandigarh	60
4	5 FOB S on NH -8 in Gurgaon	15
5	6 laning of NH 1 from Murthal to Panchi Gujran	80
6	6 laning of NH 1 from Panchi Gujran to Kamaspur	125
7	6 laned Elevated Highway on NH 2 at Badarpur	340
8	4 laning of NH 22 from Zirakpur-Kalka	300
9	4/6 laning of NH 71A Rohtak Panipat	600
10	4/6 laning of NH 71 a Rohtak Bawal	641
	<b>TOTAL</b>	<b>3161</b>

**Projects in progress (Rs 6646 cr )**

Sr No	Name of project	Cost (Rs in cr )
1	4/6 laning of NH 10 from Bahadurgarh to Rohtak	500
2	6 laning of Delhi-Jaipur (Part of Haryana)(NH-8)	800
3	6 laning of NH 1 from Panipat to Ambala	735
4	6 laning of NH 2 Delhi Palwal Agra	890
5	4 laning of NH 73 Panchkula Saha Y Nagar UP	1200
6	4 laning of NH 71 Jind Rohtak section	1100
7	4/6 laning of NH 10 Rohtak Hisar	959
8	Four Laning of NH 71 Punjab Border to Jind (Km 238 695 to 295 300)	462
	<b>TOTAL</b>	<b>6646</b>

**Projects in pipeline (Rs 5086 cr )**

Sr No	Name of project	Cost (Rs in cr )
1	Eastern Penpheral Expressway (Haryana portion)	700
2	4 laning of NH-65 Ambala Karthal section	900
3	Four Laning of NH 65 Karthal Narwana Hisar Rajasthan border Section (Km 91 200 to 241 56)	1829
4	Four Laning of NH 10 Hisar Dabwali Section (Km 170 00 to 315 55)	1507
5	Six laning bridge in Rasoi on NH 1 (Km 32 350)	30
6	Construction of fly over on NH 1 at junction in Bahadgarh	60
7	ROB at Dabwali on nh 10	60
	<b>TOTAL</b>	<b>5086</b>

## C ROADS -

### Patchwork/Pothole repair & Surface Dressing programme

In view of complete ban on mining / quarry materials in Haryana from 01 02 2010 till to date it was a great challenge to maintain Highways Network

i) **Patchwork/Pothole Repair Programme**—In view of the above circumstances this was the most successful campaign launched by department This programme was monitored on weekly basis and from time to time field officers were directed for proper monitoring of the patchwork progress and concerned DCs were also requested to monitor the patch work progress by way of surprise checking

➤ During the year 2013 14 first phase of patch work programme was launched from 1<sup>st</sup> February 2013 and progress of Patchwork/Utilization of Machinery was monitored on weekly basis During this period i.e from 1 02 2013 to 07 07 2013 a length of 6528 km of roads was repaired by means of Patchwork/Pothole repairs

➤ The second phase of Patchwork repair programme has been launched after the end of monsoon season i.e from 15<sup>th</sup> September 2013 During this period i.e from 15 09 2013 to 07 10 2013 a length of 1878 km of roads was repaired by means of Patchwork/Pothole repairs against a target of 5717 km This programme will continue till the winter season set in

Monitoring of the patchwork programme is done on weekly basis Thus the department is in a position to improve the riding quality of roads in the state due to proper monitoring system

Thus during first phase and second phase a total length of  $6528+1878=8406$  km of roads was repaired and thus the department provided a good riding quality on these roads in the state

➤ The department also launched patchwork programme on roads of normal defect liability period roads of PMGSY under defect liability period and HSAMB roads A length of  $616+294=910$  km of roads under normal defect liability period a length of  $544+171=715$  km of PMGSY roads under defect liability period and a length of  $50+22=72$  km of HSAMB roads were repaired by means of patchwork repair till 07 10 2013 These three programmes were monitored on weekly basis

ii) Looking at successful campaign of patchwork / pothole repair and also closure of mining and quarries a campaign for surface dressing of the roads was also launched this year 780 km of roads were repaired by means of surface dressing

## SCHEME WISE DETAILS OF ROADS

### Work Programme of State Highway & Major District roads

In the meeting held on 22 03 213 under the Chairmanship of Hon ble CM it has been emphasized that all State Highways (SHs) and Major District Roads (MDRs) be given surface treatment every 4 year Hon ble CM has ordered that all the SHs and MDRs be repaired Accordingly 35 works involving 395 Km length have been approved in 1<sup>st</sup> list and 63 works involving 498 Km length have been approved in 2<sup>nd</sup> list

Out of 35 works of 1<sup>st</sup> list tenders for 33 works have been allotted and for 2 works tenders are to be received Out of 63 works of 2<sup>nd</sup> list tenders of 29 works are likely to be allotted by 30 11 2013

### Work Programme of Other District Roads

Government has approved to repair VT roads last treated before 01 01 2006 with a tentative cost of Rs 573 Crore

### Work Programme under SCSP Scheme

Government has approved work programme under SCSP Component for 161 Nos of roads with a cost of Rs 152 Crore for the year 2012 13 In this work programme 24 Divisions are involved out of which tenders for 23 Divisions have been allotted and tenders of 24<sup>th</sup> Division have been received and under process

Government has approved work programme under SCSP Component for 155 Nos of roads with a cost of Rs 157 Crore for the year 2013-14

Status of works approved under Plan Head and Non Plan Head is given in following para

### Special repair (3054 Non Plan)

There is a budget provision of Rs 481 Crore for repair and maintenance of roads and an expenditure of Rs 436 64 Crore has already been incurred during the year 2013-14

Summary of status of works approved under 3054 HOA is as under

#### (i) Ongoing Works

(Rs in Crore)

Sr No	Head of Account	No of Roads	A/A Amount	Expenditure upto 31 03.2013
1	3054-SH	51	247 87	12 28
2	3054 MDR	20	85 70	30 81
3	3054 ODR	347	792 86	292 51
	<b>Total</b>	<b>418</b>	<b>1126 43</b>	<b>344 60</b>

## (ii) Work yet to be allotted

(Rs in Crore)

Sr No	Head of Account	No of Roads	A/A Amount
1	3054-SH	7	17 40
2	3054 MDR	9	9 87
3	3054-ODR	139	114 08
	<b>Total</b>	<b>155</b>	<b>141 35</b>

1195 Km Road length repaired / improved during 2013 14

## a) Plan head (5054-R&amp;B)

There is a budget provision of Rs 798 Crore for construction and improvement of roads and an expenditure of Rs 298 96 Crore has already been incurred during the year 2013 14

Summary of status of works approved under 5054 HOA is as under

## (i) Ongoing Works

(Rs in Crore)

Sr No	Head of Account	No of Roads	A/A Amount	Expenditure upto 31 03.2013
1	5054-SH	35	241 02	68 92
2	5054 MDR	18	77 36	35 05
3	5054-ODR	137	438 39	151 18
	<b>Total</b>	<b>190</b>	<b>756 77</b>	<b>255 15</b>

## (i) Work yet to be allotted

(Rs in Crore)

Sr No	Head of Account	No of Roads	A/A Amount
1	5054 SH	10	61 07
2	5054 MDR	10	34 16
3	5054 ODR	90	214 60
	<b>Total</b>	<b>110</b>	<b>309 83</b>

59 Km length of new roads has been constructed during the year 2013 14

129 Km length has been improved / widened during the year 2013 14

## b) Plan head (5054 R&amp;B) SCSP Components

There is a budget provision of Rs 110 Crore for construction and improvement of roads and an expenditure of Rs 27 13 Crores has already been incurred during the year 2013 14

(Rs in lakh)

Sr No	Category of Roads	Budget Provision of 2013-14	Expenditure till 17/10/2013	Available bank of Sanction	Permissible limit for Bank of Sanction
4	SCSP	11000 00	2713 15	21946 57	24750 00



Summary of status of works approved under head 5054 SCSP Component is as under -

(Rs in Crore)

	No of Roads	A/A Amount	Expenditure upto 31 03.2013
Ongoing Works	27	228 87	15 64
Work yet to be allotted	3	6 23	

**D ROBs AND BRIDGES -**

- **ROBs/RUBs** - Only 13 ROBs from 1966 to 1999 were completed at a cost of Rs 25 74 cr 3 ROBs completed from 1999 to 2005 at a cost of Rs 67 cr 40 ROBs/RUBs completed from 2005 to September 2013 at a cost of Rs 1082 cr 30 ROBs/RUBs are in progress at a cost of Rs 927 cr
- **Bridges** - From 1999 to 2005 30 nos bridges have been completed at a cost of Rs 25 cr From 2005 to 2013 upto date 115 nos bridges have been completed at a cost of Rs 186 cr 34 nos of bridges at a cost of Rs 95 cr are in progress

**E NCRPB(HSRDC) -**

- **ROBs** -12 ROBs costing Rs 297 58 cr have been sanctioned Out of which 9 ROBs have been completed
- **Roads projects** -38 nos of roads projects running in length of 1045 77 km costing Rs 3057 35 cr were taken in hand Out of which 13 nos of roads having length of 861 47 km costing Rs 2232 22 cr have been completed

**F PMGSY -Under PMGSY from year 2001 to till date 4557 km at cost of Rs 1376 cr have been completed All projects under PMGSY Phase I to IX stands completed**

Under PMGSY Phase II Only those States qualify as their progress greater than 70% in PMGSY-I The States are Haryana Punjab Gujrat, Maharashtra Karnatka Uttar Pardesh and Andhra Pardesh NRRDA has allocated 1000 km for up-gradation The selected roads have been approved by the State Level Committee after the recommendations of the Zila Parishads and the observations of Members of Parliament The DPR of the same are under preparation and being submitted to STC/NRRDA for approval

**G NABARD - All the projects under upto RIDF VII stands allotted and works are in progress Under RIDF IX 27 nos of roads amounting to Rs 276 91 cr +88 56 = Rs 365 47 cr involving length of 196 91 + 37 15 = 234 06 km have been approved and are in process for allotment**

In addition 22 nos bridges amounting to Rs 100 65 cr are in the process for approval from NABARD

## PROGRESS OF ROB's/RUBs Since 1966

- 1 13 ROB's completed from 1966 to 1999 at a cost of Rs 25 74 Crore
- 2 3 ROB's completed from 1999 to 2005 at a cost of Rs 67 Crore
- 3 42 ROB/RUBs completed from 2005 to Nov 2013 at a cost of Rs 1149 Crore
- 4 29 ROB's/RUBs are in progress at a cost of Rs 896 Crore
- 5 33 ROB's/RUBs are in pipe line at a cost of Rs 895 Crore and will be taken up in subsequent year depending on availability of fund and priority

## ROBs Completed from 2005 to Nov 2013

Sr No	Name of ROB	Date of completion	Appr Cost (Rs. in crore)
<b>A HARYANA PWD B&amp;R/HSRDC (NCR LOAN SCHEME)</b>			
1	ROB at Rewari on Rewari Narnaul road	Sept 2006	16
2	ROB (Phase II) at Kurukshetra on Yamuna Nagar Pipli Pehowa road	March 2007	16
3	ROB at Kesri (Ambala) on Sirsa Shikhar road	Sept 2007	11
4	ROB at Palwal (J) on Palwal Aligarh road	Jun 2008	12
5	ROB at Karnal on Karnal Kachwa Simbli road	July 2008	15
6	ROB at Hisar on Thandisarkh	Sept 2008	15

## ROBs Completed from 2005 to Nov 2013

Sr No	Name of ROB	Date of completion	Appr Cost (Rs in crore)
7	ROB at Ganaur on Gurgaon Shikhar road	Sept 2008	12
8	ROB at Rohtak on NH 71	Dec 2008	18
9	ROB at Ballabhgarh on Ballabhgarh Sohni road	Dec 2008	10
10	ROB (4 lanes) at Rohtak on Rohtak Bhiwani Road	April 2009	7
11	ROB at Rohtak on Rohtak Jhajar road	July 2009	2
12	ROB in Gurgaon on Holey Mundi Kalna road	July 2009	1

## ROBs Completed from 2005 to Nov 2013

Sr No.	Name of ROB	Date of completion	Appr Cost (Rs in crore)
13	ROB at Rohtak on circular road at RD 120	Nov 2009	29
14	ROB at Gurgaon on Gurgaon Daultpur Dharmpur road	Nov 2009	2
15	ROB at Hisar on Sitrod road	Dec 2009	12
16	ROB at Gurgaon on Gurgaon Farukh Nagar Jhajar road	Dec 2009	18
17	RUB in Mansarovar Complex Panchkula	March 2010	8
18	ROB at Tohana on Hisar Tohana Chandigarh road	July 2010	21

## ROBs Completed from 2005 to Nov. 2013

Sr No	Name of ROB	Date of completion	Appr Cost (Rs. in crore)
19	ROB at Mahendragarh on Narnaul Dadri road	July 2010	24
20	ROB at Bahadurgarh on Bahadurgarh Narnaul road	Nov 2010	21
21	ROB at Barara on Kalra - Amb Barara Shikhar Road	Nov 2010	28
22	ROB at Sirsa on NH 10	Dec 2010	11
23	ROB at Dadri on Jhajjar Dadri road	Feb 2011	24
24	ROB at Kuthal on Kuthal Jind road	June 2011	24
25	ROB at Rewari on NH 71	Aug 2011	29

## ROBs Completed from 2005 to Nov 2013

Sr No.	Name of ROB	Date of completion	Appr Cost (Rs. in crore)
26	ROB at Tiroori on NH 1 Tiroori road	Dec 2011	29
27	ROB at Kosi on Suban Kosi Nuhar Kaman road	Oct 2011	19
28	ROB at Bhawal on Bhawal Toshwar road	Aug 2012	21
29	ROB at Samalkha on Samalkha Chuhar road	Oct 2012	21
30	4 lane ROB on LC No 11 over Rewari Rohtak New Road line crossing NH 71 Village Phulwara		39
31	ROB at GT Road to Bhiwani Sirover on Delhi Ambala Road (4 lanes)	April 2013	46
32	2 lane ROB on Ambala Ludhiana Road at Km 268/24 26	Oct 2013	28

## ROBs Completed from 2005 to Nov 2013

Sr No	Name of ROB	Date of completion	Appr Cost (Rs. in crore)
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### HARYANA URBAN DEVELOPMENT AUTHORITY

33	ROB at Rohit ik on Rohit ik-Pimpri section near village	March 2010	30
34	ROB at Rohit ik on Delhi Bhatinda Road section near	May 2011	33

### NHAI- BOT PROJECTS

35	4 lane ROB on Delhi Rohit ik section near village Ismailpur ch 39 863 km		35
36	4 lane ROB on Delhi Rohit ik section near Rohit ik ch 70 002		30
37	4 lane ROB on Rohit ik-Rewari section near Rohit ik ch 71 381		30

## ROBs Completed from 2005 to Nov 2013

Sr No	Name of ROB	Date of completion	Appr Cost (Rs in crore)
38	4 lane ROB on Rohit ik-Pimpri section near Rohit ik ch 11 64		50
39	4 lane ROB on Rohit ik Pimpri section near village Rukhi ch 22 745		30
40	4 lane ROB on Rohit ik Rewari section near village Gudhri ch 386 983		30
41	4 lane ROB on Rohit ik Rewari section near Rewari ch 434 6		30
42	4 lane ROB on Delhi-Rewari section near Rewari ch 436 643		30
Total			1149

## ROBs/RUBs in Progress

Sr No	Name of project.	Project amount (Rs in crore)
1	ROB at LC No 27 B on Sonpurat Gohar road at Sonpurat	40
2	ROB at Nilokheri at Level crossing No 78 AB	2
	ROB at Shalibad at Level crossing No 98 AC on Shalibad Thol road	6
4	ROB at Jind on LC no 11 B on Delhi Bhutand Railway line on NH 71	72
5	RUB at Kuthal bypass connection Kuthal Jind road & Kuthal Khanouri road in Kuthal Distt	28

## ROBs/RUBs in Progress

Sr No	Name of project.	Project amount (Rs in crore)
6	2 lane ROB on Delhi Ambala Railway line crossing Karnal Munak road	22
7	ROB on Delhi Bhutand Railway line on Kharkhod Assandh Road in Distt Jharkhand	2
8	ROB on Rohit Gohar Pump at Railway line at Gohar Jind road in Distt Sonpurat	29
9	RUB at Sonpurat near existing RUB no 74 on Delhi Ambala section at Shri Munder at Sonpurat Distt	9
10	Construction of 2 nos of limited height subways for Geeta Nagar and Shri Nagar Colony at Rohit	20
11	ROB at Sonpurat on Delhi Bhutand Railway line at Sonpurat Kharkhod Sonpurat Jharkhand Road	42

## ROBs/RUBs in Progress

Sr No	Name of project.	Project amount (Rs in crore)
12	ROB at L/C No 3 B on Bhawani Hosi road at Bhawani	25
13	2 Line ROB at Palwal on Alwarpur Road On Delhi Palwal Railway Line (HSRDC)	36
14	4 Line ROB over Delhi Ambala Railway line on Rishi Nohri Baramulla road (HSRDC)	60
15	Construction of Subway under ROB on Kirti Khand road crossing Kurukshetra Railway line	9
HSRDC (UNDER NCR LOAN SCHEME)		
16	2 Line ROB at Sonapat Park Road Near Sugar Mill on Delhi Ambala Railway Line	40
17	2 Line ROB at Palwal Mathura Railway Line on Hodal Hassanpur Road	24
18	2 Line ROB at Pampur Road on Delhi Ambala Railway Line	2

## ROBs/RUBs in Progress

Sr No	Name of project	Project amount (Rs. in crore)
HARYANA URBAN DEVELOPMENT AUTHORITY		
19	ROB on Delhi Mathura Railway line at Faridabad Bye Pass Sec 9/61 Faridabad	9
20	ROB on connecting Badkhal chowk to Anklur Chowk Faridabad	19
21	RUB at Old Faridabad on Delhi Mathura Railway line level crossing no 78 B	15
22	ROB on Sec 78 & 36 78 at Pampur on Delhi Ambala Railway line	29
HSIIDC		
23	ROB on Delhi Ambala R/line at ch 097	9
24	ROB on Delhi Rohtak Railway line at ch 3749	9
25	ROB at Gurgaon Faridkot Road on Delhi Ambala Railway line at ch 66 78	7

## ROBs/RUBs in Progress

Sr No	Name of project.	Project amount (Rs. in crore)
26	ROB at Gujgion Rewari Railway line at ch 72+70	8
<b>NHAI BOT PROJECTS IN PROGRESS</b>		
27	4 line ROB on Rohtak-Bharuwa section near Rohtak at ch 86+08 (NH-10)	50
28	4 line ROB on Delhi-Ambala section near Pimpri at ch 79+875 (NH-71 A)	50
29	4 line ROB on Rohtak-Pimpri section near village Malwa at ch 70+18 (NH-71-A)	50
<b>Total</b>		<b>896</b>

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No	Name of work	A/A received (Rs In Cr)
<b>STATE BUDGET</b>		
1	ROB at Fikhal Kul in Bharu road in Fatehabad Distt (Tender received and under process)	25.00
2	Construction of ROB on Rewari Bhatinda railway line on bye pass connecting Dadri Bharuwa and Dadri Bond road near village Rawaldhu at Dadri (Tender received and under process)	27.6
3	4 line ROB on Sonapat Kharkhoda road in Sonapat Distt (Tender received and under process)	31.40
4	Low Height Subway at Km 29/45 in between Malodam road to Anu Mandi and across line parallel to Bahadurgarh in Haryana Distt (Funds deposited with Railway)	51.04
5	Construction of RUB 1x4x4 RCC Box on Km 19/23 section Hissar Sadulpur Railway line crossing Chiroli Chaudhary Kachupth near village Chiroli in Hissar Distt (2% P&F Charges deposited with railway and sent to Govt for deposit of funds)	1.67



## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No.	Name of work	A/A received (Rs. In Cr)
6	Construction of RUB 1x4x4 RCC Box on km 11/11 13 section Hisar Sadulpur Railway line near village Devra in Hisar Distt (2% P&E Charges deposited with railway case send to Govt for deposit of funds)	1 36
7	ROB at Bhiwani Hunsar road to Toshani Bve pass in Bhiwani Distt	25 00
8	ROB at Hisar Ghursar road (SH No 10) in Hisar Distt	25 00
9	ROB at Bapda Jitt in to Sirsi in Karnal Distt	25 00
10	ROB at Uchari to Rukhimpur Km 2 <sup>nd</sup> in Karnal Distt	25 00
11	ROB at Adhola Chappur Road in Ambala Distt	25 00
12	RUB on link road from old Delhi Road to Village Jandli in Ambala City in Ambala Distt	10 00

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No	Name of work	A/A received (Rs. In Cr)
13	RUB at Link road G T road to Ghel in Ambala Distt	25 00
14	2 Line ROB on Hisar Sadulpur Railway line at RD 164 600 of old DHS road at Dabari Chowk in Hisar Distt	39 67
15	ROB at Bhattu Ludhela Jamalpur road in Ferozabad Distt	25 00
16	ROB at Nalwa Umra/Hisar in Hisar Distt	25 00

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No NCR	Name of work	A/A received (Rs In Cr)
17	ROB at Rewari Shimjampur (near Anjund) (SH-24) in Rewari district	30 26
18	ROB on Beri Bathinda Railway line Xing Katcha Beri road	57 60
19	ROB at GT road Dharuwa Sewah in Punjab District on Delhi Ambala Railway Line	29 91
20	ROB alongwith Delhi water carrier panel on Jind Punjab Railway track	34 18

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No.	Name of work	A/A receiving (Rs. In Cr)
21	ROB at GT road Bhabarpur Kachroli in Punjab Distt on Delhi Ambala Railway Line	29 20
22	ROB at Lakhon Munir Mehun road SH 16 A in Rohitak District on Delhi Bhindara Railway Line	25 51
23	ROB at Wazirpur to FNgar road in Gurgaon District on Delhi Rewari Railway Line	46 00
24	ROB filling on Jindpur Farukhgar road (ODR) near village Tinai in Gurgaon District	46 90
25	ROB at Gurgaon Patudi Rewari road in Gurgaon District on Delhi Rewari Railway Line	47 00

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No	Name of work	A/A received (Rs. In Cr)
26	ROB at Faridabad in Faridabad District on Delhi Mathura Railway Line	2 22
27	ROB at Pampat in Pampat District on Delhi Ambala Railway Line	22 27
28	4 line ROB on Rewari Northern Ringus section on Rewari Northern road (SH 26) near village Palla in Rewari Distt	40 26
<b>HARYANA URBAN DEVELOPMENT AUTHORITY</b>		
29	ROB at Railway km 57/36.4 on Delhi-Rewari Section near Bisai Dhinkot Station on Northern Peripheral road Gurgaon	62 29
30	RUB on dividing road of Sector 47/46 Faridabad	9 60

## ROBs /RUBs INCLUDED IN THE RAILWAY WORK PROGRAMME AND TO BE TAKEN UP

Sr No	Name of work	A/A received (Rs. In Cr)
<b>DBFOT (Rai Malikpur - Bhiwani)</b>		
31	ROB at Bhiwani by pass in lieu of level crossing no 48/2 on Bhiwani Rewari Railway line	On DBFOT basis
32	ROB in lieu of LC No C 100 on Rewari Mohindaighat Loharu line	Do
33	ROB in lieu of LC No 46 on Rewari Phuleti Railway section	Do
<b>Total</b>		<b>895</b>

## **PROJECTS COMPLETED 2005 TO 2013-14** **(PRESENT GOVT)**

- **Panipat Elevated Highway on NH- 1 (km 86 to 96)**
  - Total Length 10 km
  - Elevated Portion 3.4 km
  - Three under passes
  - Cost Rs 300 crore
  - Completed July 2008
  
- **Six / Eight Lining of NH 8 from Delhi Border to Haldi Ram Chowk (km 24.00 to 42.00)**
  - Total Length 18 km
  - Flies over at Udyog Vihar IFFCO Chowk South City Sector-31 Gurgaon Jhansi Chowk & Rajpur Chowk
  - Cost Rs 700 crore
  - Completed July 2008
  
- **Four Lining of NH 22 in Ambala portion (km 5.23 to km 10.89)**
  - Date of completion November 2008
  - App investment Rs 60 crores 5.66 km (in Haryana)
- **Four Lining of NH 22 from Zirakpur to Kalka (km 39.56 to 62.20)**
  - Date of completion March 2012
  - App investment Rs 500 crores Length 22.64 km
- **Six Lining of NH 1 from Murthal to Panchu Gurgaon (km 44.30 to 66) with flyovers at Gannaur & Muithal**
  - Date of completion 22nd Oct 2010
  - App investment Rs 80 crores Length 21.7 kms
- **Six Lining of NH 1 from Panchu Gurgaon to Kirti Nagar (km 66.00 to 86.00) with flyover at Simla Road**
  - Date of completion 28th February 2010
  - App investment Rs 125 crores Length 20 kms

- **Six Lined Elevated Highway on NH 2 at Badarpur (Km 16.70 to 19.70)**  
 Date of completion September 2010  
 App investment Rs 340 crores Length 3 kms
- **Four/Six Lining of NH 71A Rohtak Pimpot (Km 0.00 to 73.00)**  
 By passes at Rohtak, Brahmanpura, Jaisa, Ghulauri, Kulan, Rukhi,  
 Malwa, Gohana and Panipat  
 App investment Rs 620 crores  
 Length 83.650 kms  
 Date of completion December 2013
- **Four Lining of NH 71 Rohtak Bawal Section (Km 363.30 to 450.80) with  
 by passes at Rewari, Silani and Sudana**  
 Date of completion August 2013  
 App investment Rs 670 crores  
 Length 83.670

**Total Investment = Rs 317 crores**  
**268 kms Length**

### **NHAI PROJECTS IN PROGRESS**

- **Four/ Six Lining of NH-10 from Bahadurgarh to Rohtak  
 (Km 29.70 to 87.00)**  
 Two by passes at Bahadurgarh & Rohtak  
 Likely date of completion June 2014  
 App investment Rs 500 crores  
 Length 57.50 kms
- **Six Lining of NH 1 from Panipat to Ambala (Km 96 to 212)**  
 Likely date of completion March 2014 (work held up  
 due to litigation)  
 App investment Rs 755 crores  
 Length 116 kms
- **Six Lining of NH 8 from Haldi Ram Chowk to Rajasthan  
 Border (Km 42.00 to 107.00)**
  - Likely date of completion October 2014
  - App investment Rs 800 crores Length 65 kms

- **Six Lining of NH 2 Delhi Patwal Agri road (Km 20 500 to Km 199 600)**  
Likely date of completion September 2014  
App investment Rs 890 crores  
Length 190 kms
  - **Four Lining of NH 71 Jind Rohtak Section (Km 295 300 to 352 500)**  
Date of start December 2013  
App investment Rs 1100 crores  
Length 48 60 kms
  - **Four Lining of NH 71 Punjab Border to Jind (Km 238 695 to 295 300)**  
Date of start December 2013  
App investment Rs 462 crores  
Length 69 50 kms
  - **Four Lining of NH 73 Panchkula Sahi Yamun nagar UP Border (Km 70 640 to 179 085)**  
Likely date of start March 2014  
App investment Rs 1200 crores  
Length 100 kms
  - **Four Lining of NH 10 Rohtak Hissar section (Km 87 00 to 170 00)**  
Bypasses at Madma Khar Khara Meham & Hansi  
Likely date of start June 2014  
App investment Rs 909 crores  
Length 99 kms
  - **Construction of ROB at Dabwali on NH 10 in Km 315 240**  
Date of start January 2014  
Likely date of completion July 2015  
App investment Rs 60 crores
- Total Investment = Rs 6706 crores**  
**623 kms Length**

## **PROPOSED STRUCTURES**

### **NH 8 (Gurgaon Kotputli Jaipur section from Km 42 700 to 273 00)**

- \* 18 flyovers (at Ch 43 640 45 060 47 969 51 650 60 647 64 906 67 560 69 772 71 790 72 825 83 945 85 160 89 174 91 530 94 150 96 130 99 576 & 104 194 – 4 completed
- \*\* 8 PUP/VUP (pedestrian/vehicular under pass) at Ch 48 800 54 171 58 500 66 722 69 090 71 002 79 050 & 105 445 – 4 completed

### **NH 10 (Delhi Rohtak section from Km 29 70 to 87 00)**

**Grade Separators 5 Nos** (2 on Bahadurgarh Bypass (at Ch 33 445 & 38 440) 1 on existing NH 10 (at Ch 55 470) and 2 on Rohtak Bypass (at Ch 76 082 & 85 387

**Underpasses 4 Nos** (1 on Bahadurgarh Bypass at Ch 40 107) & 3 on Rohtak Bypass at Ch 69 723 79 212 & 91 147)

- \* All structures completed

### **NH-71 (Rohtak-Bawal section from km 363 300 to 450 800)**

- ❖ 3 ROBs 1 Grade Separator (at Ch 440 231 on Rewari bypass)
- ❖ 8 Vehicular under passes
- ❖ 1 Major bridge (at ch 396 863 on Sabhi river)
- ❖ All structures completed

### **NH-71 A (Rohtak-Punipat section from Km 0 00 to 80 858)**

- ❖ 3 ROBs (at Ch 11 640 22 745 & 79 875)
- ❖ 4 Grade Separators (at Ch 0 00 6 580 41 440 & 80 858)
- ❖ 15 underpasses
- ❖ All structures completed

## PROJECTS IN PIPELINE

- **Four Lining of NH-65 Ambuli-Kuthal Section (Km 5.00 to 91.200)**
  - Likely date of start March 2014
  - App investment Rs 1140 crores
  - Length 86.2+8.6=94.80 kms
- **Four Lining of NH-65 Kuthal-Narwan-Hisari-Rajasthan border Section (Km 91.200 to 241.56)**
  - Likely date of start March 2014
  - App investment Rs 1829 crores
  - Length 166 kms
- **Four Lining of NH-10 Hisari-Dabwali Section (Km 170.00 to 315.55)**
  - Likely date of start August 2014
  - App investment Rs 1507 crores
  - Length 145 kms
- **Construction of EPE**
  - Likely date of start May 2014
  - App investment Rs 700 crores Length 48.50 kms
- **Six Lining bridge in Rasool on NH-1 (Km 32.350)**
  - Likely date of start June 2014
  - App investment Rs 50 crores
- **Construction of fly over on NH-1 at junction in Bahawalpur**
  - Likely date of start June 2014
  - App investment Rs 60 crores

**Total Investment = Rs 5266 crores**  
**454 kms Length**



**Committee made the following observations/recommendations**

1 The Committee recommend that the construction of following important Roads of the state be completed in a stipulated time fixed for these projects and the committee be apprised of the latest position

- i) Panchkula Yamuna Nagar Road
- ii) Delhi Palwal Agra Road
- iii) Palwal Sohna Rewari Road
- iv) Ambala Kaithal Highway

2 The Committee may be apprised about the different works initiated by the department under SCSP scheme

3 The Committee may be apprised about the number of buildings in the state have been taken up for construction Whether the construction work of these buildings has been completed in a stipulated period otherwise steps taken by the department to expedite the work

4 During the oral examination it was informed that work will be started on those roads which have not been touched up for repair during the last four years therefore the committee may be apprised about the latest progress in this regard

5 During the oral examination Committee pointed out the great difficulties being faced by the local public/ daily commuters where the single access has been constructed below the over bridge of National Highways The committee would like that such area may be identified and necessary step may be taken up by the Department alongwith NHAI to sort out this problem

6 The Committee would like that implementation of regulations of labour and fare wages clause relating to the payments of wages to the workers engaged by the contractors/sub contractors be strictly adhered to and complaints in this regard if any have been received be disposed of meticulously The Committee may also be apprised about the steps taken in this regard

7 Grants under different schemes of NABARD project are received by the Department Therefore the Committee would like that the pending works of NABARD project may be completed expeditiously and reasons of the dropped works with details may be intimated to the Committee

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