

**MEETING ON 23.04.2018 AT 03:30 PM**

To

1. Additional Chief Secretary to Govt. Haryana, Transport Department.
2. Additional Chief Secretary to Govt. Haryana, PW (B&R) Department
3. Additional Chief Secretary to Govt. Haryana, Environment Department
4. Additional Chief Secretary to Govt. Haryana, Forest Department.
5. Additional Chief Secretary to Govt. Haryana, Public Health Engineering Department.
6. Principal Secretary to Govt. Haryana, Finance Department.
7. Principal Secretary to Govt. Haryana, Urban Local Bodies Department.
8. Principal Secretary to Govt. Haryana, Housing Department.
9. Chief Administrator, Haryana Urban Infrastructure Development Board.

Memo No.XEN-I/DULB/2018/2415

Dated: 17-4-2018

**Subject: 7<sup>th</sup> Meeting of the State Level High Powered Steering Committee (SHPSC) constituted for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) to be held on 23.04.2018 at 03:30 PM.**

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2. I have been directed to inform you that 7<sup>th</sup> meeting of the State Level High Powered Steering Committee (SHPSC) constituted for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) is scheduled to be held on **23.04.2018 at 03:30P.M.** under the chairmanship of Chief Secretary to Govt. Haryana-cum- Chairperson of the State Level High Powered Steering Committee (SHPSC) under AMRUT in CS's Committee Room, 4<sup>th</sup> floor, Haryana Civil Secretariat, Chandigarh.

The agenda of the meeting is enclosed herewith.

Kindly make it convenient to attend the above said meeting.

DA/As above

Executive Engineer-I,  
for Director General, Urban Local Bodies,  
Haryana, Panchkula.

Endst. No. XEN-I/DULB/2018/2416

Dated: 17-4-2018

A copy alongwith the copy of agenda is forwarded to Joint Secretary (AMRUT), Ministry of Housing and Urban Affairs, Govt. of India, Nirman Bhawan, New Delhi with the request to attend the above said meeting.

DA/As above

Executive Engineer-I,  
for Director General, Urban Local Bodies,  
Haryana, Panchkula.

Cc:

PS to CS for kind information of Hon'ble Chief Secretary to Govt. of Haryana for holding the above said meeting.

DA/As above











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To

1. Additional Chief Secretary to Govt. Haryana, Finance Department
2. Additional Chief Secretary to Govt. Haryana, Public Health Engineering Department
3. Additional Chief Secretary to Govt. Haryana, Environment Department
4. Additional Chief Secretary to Govt. Haryana, PW (B&R) Department
5. Additional Chief Secretary to Govt. Haryana, Transport Department
6. Principal Secretary to Govt. Haryana, Urban Local Bodies Department
7. Principal Secretary to Govt. Haryana, Housing Department
8. Principal Secretary to Govt. Haryana, Forest Department
9. Chief Administrator, Haryana Urban Infrastructure Development Board.

Memo No.XEN-I /DULB /2018/ 569

Dated: 9/02/2018

**Subject: Minutes of 6th Meeting of the State Level High Powered Steering Committee (SHpsc) constituted for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 30.01.2018.**

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In reference of subject cited above.

2. I have been directed to forward the Minutes of 6<sup>th</sup> meeting of the State Level High Powered Steering Committee (SHpsc) constituted for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on **30.01.2018** under the chairmanship of Chief Secretary to Govt. Haryana-cum- Chairperson of the State Level High Powered Steering Committee (SHpsc) under AMRUT in CS's Committee Room, 4<sup>th</sup> floor, Haryana Civil Secretariat, Chandigarh for kind information .

DA: As above

  
Executive Engineer-I,  
for Director-General, Urban Local Bodies,  
Haryana, Panchkula.

Endst. No. XEN-I /DULB /2018/

Dated:

A copy of above alongwith a copy of MoM is forwarded to Joint Secretary (AMRUT), Ministry of Housing and Urban Affairs, Govt. of India, Nirman Bhawan, New Delhi for kind information please.

DA: As above

  
Executive Engineer-I,  
for Director General, Urban Local Bodies,  
Haryana, Panchkula.

Cc:

1. PS to CS for kind information of Hon'ble Chief Secretary to Govt. of Haryana (copy of minutes is attached)

**Minutes of 6<sup>th</sup> Meeting of the State Level High Powered Steering Committee (SHPSC) constituted for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) held on 30.01.2018 at 3:30 PM**

6<sup>th</sup> meeting of the State Level High Powered Steering Committee (SHPSC) for the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) was held on 30.01.2018 at 3.30 PM under the chairmanship of Sh. D.S. Dhese, IAS, Chief Secretary, Govt. of Haryana cum Chairman, SHPSC. List of participants is enclosed as **Annexure-1**.

At the outset, Principal Secretary to Govt. of Haryana, Urban Local Bodies Department welcomed all members of the SHPSC and made a brief presentation about the AMRUT Mission in Haryana. Thereafter, agenda items were discussed in detail & following decisions were taken.

**Agenda Point No. 6.1: Confirmation of the minutes of 5<sup>th</sup> meeting of State Level High Powered Steering Committee (SHPSC) held on 25.09.2017 at 3:30 PM.**

No comments were received from any member of SHPSC.  
Minutes of 6<sup>th</sup> meeting were confirmed.

**Agenda Point No. 6.2: Review of Progress under AMRUT.**

Detailed status of progress of works was appraised to the committee members as under:-

**6.2.(i) Approval of State Annual Action Plans (SAAPs).**

PSULB informed that the against the total SAAP provision of Rs. 2565.74 Cr., Government of India would provide Rs. 764.51 crore as Central Share & Government of Haryana would provide Rs.836.41 crore as State Share and balance of Rs. 964.82 Cr. would have to be arranged by the State Govt. as innovative funds. It is decided that against innovative funds, Rs. 245 Cr. Shall be arranged as loan from HUDCO and Rs. 720 Cr. As loan from NCRPB. Further, it was informed that for Rs. 245.00 crore (which were to be taken from HUDCO as loan), FD agreed to provide this amount as additional budget provision in the next two years, Rs. 100.00 crore and Rs. 145.00 crore in the FY 2018-19 & 2019-2020 respectively. It was also informed that NCRPB has refused to provide the funds to the tune of Rs. 720.00 crore as loan till the same is not arranged from the Financial Institutions. A request has been made to Hon'ble C.M. to make provision of Rs. 720 Cr. as additional budget provision and for convening the meeting to resolve the issue.

Noted by SHPSC

**6.2.(ii) Status of Detailed Project Reports**

It was informed that 17 Detailed Project Reports (DPRs) amounting to Rs. 1542.89 Cr. have already been approved by State Level High Powered

Steering Committee (SHPSC) in different meetings.

Noted by SHPSC

6.2.(iii) Status of Approved DNITs

It was informed that 14 DNITs for different works /sectors in the 07 towns of Haryana, viz: Ambala, Gurugram, Karnal, Panchkula, Sonapat, Thanesar & Yamuna Nagar amounting to Rs. 859.65 Cr. have already been approved by the State Level Technical Committee (SLTC) in different meetings.

Noted by SHPSC

6.2.(iv) Status of Award of Works

It was informed that as on date, 8 works amounting to Rs. 762.45 Cr. have been awarded. Since the last meeting of SHPSC held on 22.09.17, 3 no. following works have been approved by the SLTC in its 12<sup>th</sup> meeting held on 11.10.2017.

- Ambala Sewerage – (Approved DNIT amount Rs. 120.90 Cr.)  
– Award amount Rs. 144.00 Cr.
- Karnal Sewerage – (Approved DNIT amount Rs. 158.98 Cr.)  
– Award amount Rs. 178.10 Cr.
- Sonapat Sewerage – (Approved DNIT amount Rs. 92.25 Cr.)  
– Award amount Rs. 114.60 Cr.

Tenders for 5 works namely Sewerage Scheme Karnal (Part 2), Drainage Scheme Ambala, Drainage Scheme Thanesar, Sewerage Scheme Gurugram and Water Supply Scheme Yamuna Nagar - Jagadhari have been floated.

Noted by SHPSC

6.2.(v) Physical & Financial Progress

It was informed that the work in all the 8 works allotted is in progress. A sum of Rs. 39.80 Cr. has been incurred on all the works upto 31.12.2017.

Noted by SHPSC

6.2.(vi) Funds received & their Utilization

It was informed that total funds amounting to Rs. 317.86 Crore have been released under AMRUT, out of which Rs. 157.90 crore by GoI and Rs. 159.96 crore by the State Govt. Against which, a sum of Rs. 39.80 crore have been utilized.

Noted by SHPSC

6.2.(vii) Arrangement of funds by the State through loan.

It was informed that Govt. of Haryana has envisaged to spend **Rs. 2565.74 crores** on various infrastructure projects to be implemented in 18 Urban Local Bodies of Haryana with the assistance of Govt. of India, State and innovative funding from the financial institutions. The projects

are for Water Supply, Sewerage, Drainage, Green areas and Urban Transportation and planned to be completed by March 2020.

Out of the total 1801.23 crores, the Govt. of Haryana had made budgetary allocation and set aside the funds to the tune of Rs 836.41 crores. The deficit value of **Rs. 964.82 crores** was to be raised through Financial Institutions, so as to execute the projects within stipulated Mission period.

Principle Secretary ULB briefed that a detailed meeting held under the chairmanship of Additional Chief Secretary, Finance Department, Govt. of Haryana on dated 11.12.2017 at Haryana Main Civil Secretariat, Chandigarh, wherein F.D. has agreed to provide additional funds to the tune of Rs. 245 Cr from budgetary support. The balance funds of Rs. 720 cr. were proposed to be arranged through National Capital Regional Planning Board (NCRPB) as loan.

PS, ULB apprised that NCRPB is not in position to make available funds till 2019 so there is a need to make budgetary provision of funds by the State in the tune of Rs 720 crores.

Noted by SHPSC

#### **Review of Overall progress of work :**

PSULB briefed the Committee that all the projects will be awarded by August 2018 and completed within the Mission Period i.e. up to March 2020. PS, PHED, Haryana pointed out that all these projects are to implemented in local area of the town, so there is a need to form Co-ordination Committees consisting of all stakeholders like District Administration, Municipal Bodies, PHED, WAPCOS representative and other concerned Department for better implementation of the projects. The frequency of meeting of Committee shall be regular.

Worthy Chief Secretary, Haryana pointed out that progress of the execution of works is slow and needs to be expedited. He also pointed out that consumption of funds is less as compared to allocation of funds. He desired that the progress of the project be expedited so as to achieve the desired targets within the stipulated time line.

#### **Agenda Point No. 6.3**

##### **Approval of Detailed Project Reports**

17 Detailed Project Reports for 10 towns amounting to Rs. 1542.89 Cr. have already been approved by State Level High Powered Steering Committee (SHPSC).

It was informed in the 13<sup>th</sup> meeting of SLTC held on 12.01.2018 that there is a provision of Rs. 2357.71 Cr. in the approved SAAP for 50 schemes

related to priority sectors i.e. water supply, sewerage and drainage works. So far DPRs covering 32 schemes had been prepared for Rs. 2258.07 cr. (Capital 2154.49 Cr. + O&M- Rs. 103.58 Cr.)  
Out of these 32 DPRs,

- i. 16 have been approved by SHPSC & SLTC.
- ii. 5 have been approved by SLTC & being considered in SHPSC
- iii. 12 nos. are under appraisal.
- iv. 7 nos. are yet to be framed by M/s WAPCOS Ltd.

PSULB briefed that 5 no. DPRs viz Jind - Drainage, Kaithal - Water Supply, Kaithal Sewerage, Kaithal Drainage, 20 cities under AMRUT - Children Park amounting to Rs. 95.31 Cr. have been technically approved by SLTC in it's 13<sup>th</sup> meeting held on 10.01.2018. Now the same have been put up before this SHPSC for approval. The scope of the work of each DPR as under.

**1. Jind Drainage (Total Cost Rs. 25.50 Cr.)**

- |      |                                                                                 |            |
|------|---------------------------------------------------------------------------------|------------|
| i.   | Storm sewer of size varying from 450mm to 1400mm RCC NP-3 pipe                  | 19.60 km   |
| ii.  | Pumping station 77.39 MLD flow                                                  | 1 no.      |
| iii. | Rising main 1200mm dia RCC pipe NP3 from Pumping Station to Kalwan Kinana Drain | 7000 metre |

**2. Kaithal Water Supply (Total Cost Rs. 31.97 Cr.)**

- |      |                                                                                             |          |
|------|---------------------------------------------------------------------------------------------|----------|
| i.   | Distribution pipeline DI K-7 of sizes varying from 100 -400mm                               | 94.13 Km |
| ii.  | Rising Main DI K-9 of sizes varying from 300 - 400mm                                        | 1.52km   |
| iii. | New Water Connections                                                                       | 4900     |
| iv.  | Boosting Station (5 No.) along with automation of existing as well as new Boosting stations | 4915 KL  |
| v.   | O&M of Water supply scheme including one year defect Liability Period                       | 6 yrs    |

**3. Kaithal Sewerage (Total Cost Rs. 18.74 Cr.)**

- |    |                                                      |            |
|----|------------------------------------------------------|------------|
| i. | Sewerage DWC pipe sizes varying from 200mm to 300 mm | 48013 mtr. |
|----|------------------------------------------------------|------------|

- ii. RCC, NP-3 pipe sewer sizes varying from 400mm to 800mm 4885 mtr.
- iii. Construction of IPS at R.K Puram 1 Job
- iv. Rising main RCC NP-3 of 600 mm dia 3500 Mtr.
- v. O&M of sewerage system including 1 year defect liability period. 6 yrs

#### 4. Kaithal Drainage (Total Cost Rs. 4.85 Cr.)

- i. Laying of 600mm i/d RCC NP-3 storm water sewer from open drain/ Pond in front of Swami Vivekanand Public School on Padla road to Sillakhera drain. 943m
- ii. Construction of Pump house at tail end of Manas drain disposal. 1 no.
- iii. Construction of Pump house at tail end of Geong drain disposal. 1 no.
- iv. Replacement of 200 KVA diesel generating set at Manas Drain Disposal. 2 no.
- v. Replacement of 200 KVA diesel generating set at Chandana gate storm water pumping station. 1 no.

#### 5. Children Parks in 20 cities (18 ULBs) of AMRUT (Total Cost Rs. 14.25 Cr.):

Under AMRUT mission, 18 ULBs (20 cities) have been identified in State of Haryana. The components of AMRUT mission include "Development of Green Space and parks with special provision for child-friendly components".

There is a provision of Rs. 103.39 Cr in approved SAAP for development of Green Spaces and Parks in 18 ULBs. The mission guidelines envisage to develop at least one children park every year in AMRUT cities. This Detailed Project Report has been prepared for development of Children Corners in the 4 Parks of each of the 20 cities under AMRUT. SLTC has proposed that two Children Corners be developed in each of 20 AMRUT cities in the existing parks and one Children Corners be installed in the new parks to be developed under AMRUT mission and one children corner be installed in park being developed in AMRUT cities under Swaran Jyanti Program.

Two types of modules, detailed below are proposed in this DPR.

Module A	Approximate area = 400 Sqm. Cost of each module = Rs. 22.237 lac
Module B	Approximate area = 300 Sqm. Cost of each module = Rs. 13.393 lac

Total Cost for development of 40 (2 for each city) type A modules and 40 (2 for each city) type B modules is Rs. 14.25 Crore. All the Municipal Corporation/ Municipal Council have agreed to ear-mark parks for developing children corner.

Principal Secretary (PHE) pointed out that since these DPRs are already discussed in length in SLTC meeting and approved so there is no need of detailed discussion in SHPSC meeting.

The scope of the work was of above 5 no. DPRs was deliberated and were subsequently approved by the SHPSC.

All 5 nos. DPRs Approved by SHPSC

**Agenda Item No. 6.4: Approval of State Action Plan (SAP) for formulation of GIS Based Master Plan for AMRUT Cities**




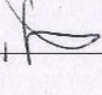

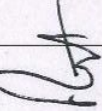

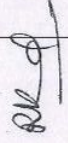
1. PSULB stated that the Govt. of India, Ministry of Urban Development has earmarked funds amounting to Rs. 19.50 crore for the State of Haryana as 100% subsidy for formulation of GIS based Master Plan. Formulation of GIS Based Master Plan for AMRUT Cities is one of the reforms. Further, it was informed that he Govt. of India, MoUD has circulated the State Action Plan (SAP) Template for formulation of **GIS Based Master Plan for AMRUT Cities**. On the basis of the template, the State Action Plan has been prepared and the same has been approved by SLTC in its meeting held on 10.1.2018 and recommended for approval of SHPSC. The scope of the State Action Plan was deliberated in detail. Worthy Chief Secretary pointed out that NIC has formed GIS cell for Haryana state. He advised PSULB to coordinate with the NIC in this regard.

State Action Plan for formulation of GIS Based Master Plan for AMRUT Cities of Haryana approved by SHPSC.

Meeting ended with a vote of thanks to the Chair.

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ATTENDANCE SHEET FOR 6<sup>th</sup> MEETING OF SHPSC UNDER  
 AMRUT HELD ON 30.01.2018 AT 3:30 PM U/S Hon'ble  
 CS

<u>SNO</u>	<u>NAME OF OFFICER</u>	<u>DEPT.</u>	<u>DESIGN.</u>	<u>SIGN.</u>
1.	Rakesh Maawde	PWD (BSA)	E-INC	
2.	B. S. SINGROHA	PHED	CE	
3.	Suresh Dalal	forest	secy. forest	
4.	Shrikant Wajed	Housing	Ps. Secy	
5.	Mansal Singh.	EIC	PHED	
6.	RASHVI AROORA	IS	PHED	
7.	Dheera Khandhwal	ACS	EMR	
8.	Ranju Prasad	FD, Secy	Finance	

To

*Qusumy*  
*29/11/2013*

The Chief Administrator,  
Haryana Urban Development Authority,  
Haryana, Panchkula.

Memo No. Steno/CE/DULB/2017/13238 Dated: 29/11/13

Subject:

**Detailed Project Report for Sewerage Scheme for  
Bahadurgarh Town under the AMRUT Program.**

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Kindly refer to the subject cited above.

Detailed Project Report for Sewerage Scheme Bahadurgarh Town under the AMRUT Program amounting to Rs. 43.29Cr. is under process of approval. Out of this cost, the HUDA share works out to Rs. 4.70 Cr (w/o O&M). The brief scope of work relating to HUDA is as under:-

1. Replacement of 1285m length of existing damaged sewer 1100mm dia., with 1200mm dia. Sewer line from City Center Park to HUDA STP Kharba Musalnam along with trenchless sewer crossing below National Highway.
2. Replacement of existing sewer lines of different sizes in a length of 4438m in Sector-6.

The replacement has been proposed in the DPR as per discussion held with HUDA officers/officials during field visits to Bahadurgarh. The proposed replacement including under National Highway may be authenticated.

Detailed Project Report under the AMRUT Program is being forwarded to your office for concurrence so that the same could be put up in next SLTC meeting for approval.

Further, an amount of Rs. 4.70 Cr. (w/o O&M) as HUDA share may be deposited with the Director Urban Local Bodies, Panchkula at the earliest.

Chief Engineer  
For Director, Urban Local  
Bodies,  
Haryana, Panchkula. *[Signature]*

DA:

Three Volumes of DPR of Sewerage System for Bahadurgarh Town

- a) Volume -I (Main Report),
- b) Volume -II (Cost Estimate) &
- c) Volume -III (Drawing)

## Annexure II

Physical & Financial Progress of Awarded Works										
Sr. No.	Town	Sector	Award Details				Date of Work Awarded	Target Completion date	Financial Progress (Rs. In Cr)	Physical Progress
			Award Cost (Rs. In Cr)			Agency				
			Capital	O&M	Total					
1	Ambala Sadar & City	Water Supply	73.02	5.48	78.50	M/s Brij Gopal Cons.	05.09.2017	14.12.18	0.00	<ul style="list-style-type: none"> <li>Hydraulic Design Under approval</li> <li>60 km pipe line inspected at factory. 27 Km pipe line received at site, balance Yet to be reach.</li> </ul>
2	Ambala Sadar & City	Sewerage	133.91	10.09	144.00	M/s KKSIL-NOBLE JV	03.11.2017	11.11.19	13.39	<ul style="list-style-type: none"> <li>Survey and designing in progress &amp; partly approved.</li> <li>Soil testing work completed.</li> <li>Laying of sewer in Zone no 4 in progress.</li> </ul>
3	Ambala Sadar & City	Parks	17.75	0.00	17.75	M/s Jai Maa Cons. JV	05.09.2017	14.01.19	0.00	<ul style="list-style-type: none"> <li>Planning and Designing in Progress</li> <li>Work for Cafeteria Started</li> </ul>
4	Karnal	Sewerage	165.60	12.50	178.10	M/s TPL-KIPL JV	24.10.2017	23.10.19	25.45	<ul style="list-style-type: none"> <li>Survey completed.</li> <li>Hydraulic Design in process.</li> <li>Part Design approved work in progress.</li> </ul>
5	Karnal	50 MLD STP	59.77	12.68	72.45	M/s Girdhari Lal	28.03.2018	27.12.19		
6	Karnal	Drainage	84.50	0.00	84.50	M/s KKSIL-Triveni JV	21.07.2017	31.01.19	10.80	<ul style="list-style-type: none"> <li>Survey and designing progress (90%).</li> </ul>

										• 2200 mtr. Drain built work in progress.
7	Panchkula	Sewerage	39.81	8.30	48.11	M/s SRP-PCS JV	Tender approved by SLTC in its 16 <sup>th</sup> Meeting held on 10.04.2018			
8	Sonepat	Water Supply	53.95	4.05	58.00	M/s Brij Gopal Cons.	04.09.2017	13.09.18	2.81	<ul style="list-style-type: none"> <li>• Survey and designing in progress.</li> <li>• Soil testing work in progress</li> <li>• 30 km pipe line inspected at factory.</li> <li>• Pipe reached at site</li> </ul>
9	Sonepat	Sewerage	106.60	8.00	114.60	M/s KRA-PCS JV	23.10.2017	01.05.19	9.70	<ul style="list-style-type: none"> <li>• Survey and designing in progress &amp; part design is approved.</li> <li>• Soil testing work in progress</li> <li>• Inspection of DI pipe, DWC Pipe &amp; RCC Pipe done</li> <li>• Work in Progress</li> </ul>
10	Sonepat	Drainage	87.00	0.00	87.00	M/s MSKEL-Garg JV	25.07.2017	03.11.18	4.35	<ul style="list-style-type: none"> <li>• Survey and designing in progress.</li> <li>• Soil testing work completed.</li> <li>Construction of drain work is in progress.</li> </ul>
<b>Total</b>			<b>821.91</b>	<b>61.10</b>	<b>883.01</b>				<b>66.50</b>	

Annexure-III

Funds release by HUDDB to ULBs

(Rs. In Crores)

Sr. No.	Name of account & City/ Town	(Released on) 03.10.2016	(Released on) 16.01.2017	(Released on) 16.01.2017	Total
1	Commissioner Municipal Corporation Ambala	6.91	20.82	40.00	67.73
2	Commissioner Municipal Corporation Karnal AMRUT	6.10	22.45	40.00	68.55
3	Atal Mission for Rejuvenation and Urban Transformation (AMRUT) Rewari	3.38	--	--	3.38
4	Commissioner Municipal Corporation Panchkula	3.10	--	10.00	13.10
5	Executive Officer Municipal Corporation Yamunanagar – Jagadhari	4.18	--	--	4.18
6	Commissioner Municipal Corporation – AMRUT Jind	4.76	--	--	4.76
7	Commissioner Municipal Corporation – AMRUT Hisar	7.71	--	--	7.71
8	Commissioner Municipal Corporation –	5.82	--	--	5.82

Sr. No.	Name of account & City/ Town	(Released on) 03.10.2016	(Released on) 16.01.2017	(Released on) 16.01.2017	Total
	AMRUT Rohtak				
9	Commissioner, Municipal Corporation Panipat AMRUT	8.36	5.69		14.05
10	Municipal Council Kaithal AMRUT Scheme	1.85	--		1.85
11	EO Municipal Council AMRUT Scheme Bhiwani	1.20	--		1.20
12	EO MC, Thanesar	1.64	--		1.64
13	Commissioner MC, Sonapat	6.54	21.1	40.00	67.64
14	E.O.M.C. AMRUT Bahadurgarh	3.34	--		3.34
15	Municipal Council Palwal	1.74	--		1.74
16	E.O. M.C, Sirsa (AMRUT)	0.22	--		0.22
17	Commissioner Municipal Corporation Faridabad (TFC)	7.30	--		7.30
18	Secy. MC, Gurgaon	5.45	2.43		7.88
	<b>Total</b>	<b>79.60</b>	<b>72.49</b>	<b>130.00</b>	<b>282.09</b>

## Sewerage - Bahadurgarh Town

### 1. Projected Population & requirement of treatment

Year	Population	Required Capacity of STPs (MLD)
2018	202988	22
2033	304482	33
2048	365380	40

### 2. Existing Sewerage System

Sr. No	Description	Qty.
1.	Sewer lines 150 mm to 180 mm	239 Kms
2.	Sewerage Treatment Plants a) STP-I on Najafgarh road based on SBR technology for Zone-I b) STP-II area near Chottu Ram Nagar based on UASB technology. c) STP –III at Village KharbaMusinan based on SBR technology (HUDA area)	36 MLD 18 MLD 10 MLD

### 3. Need of the project-

About 71% area of the city stands covered with the sewerage system. Sewage treatment facilities are available in the form of 3 no. STPs of capacity 36 MLD, 18 MLD and 10 MLD ( total 64 MLD). The expected discharge for the mid design year (2033) is 33 MLD and for the year 2048 is 40 MLD, therefore the existing STPs are sufficient to cater the discharge upto year 2048.

### 4. Scope of work

Sewer Network in left out areas & newly approved colonies:

Sr.No	Description	Quantity
Sewerage pipe line for City area and area under 26 approved colonies		
1	DWC Pipe line of sizes varying from 200 mm to 300 mm	87.5 KM
2	RCC NP3 Pipe line of size varying from 400 mm to 1200 mm	5.9 Km.
3	RCC NP4 Pipe line 450 mm with trenchless technology.	1075 M

4	House Sewer Connection	20277 Nos.
5	O&M including one year Defect Liability Period	6 Year

**5. Abstract of Cost –**

<b>Providing Sewerage System in Civic amenities &amp; infrastructure in deficient area and other approved area at Bhadurgarh town under Amrut</b>		
<b>General Abstract of Cost</b>		
<b>S.No.</b>	<b>Particulars</b>	<b>Cost in Rs Lac</b>
1	Providing, Laying and Jointing of Lateral Sewer lines with construction of RCC Manholes for City area and Line Par area with 26 Approved colonies and other approved area of Town	3,885.64
2	Site development Works	24.57
	<b>Sub Total-1 Rs</b>	<b>3,910.21</b>
3	Add 0.25% Contingency Charges	9.78
4	Add 1.0 % Quality Control Charges	39.10
	<b>Sub Total-2 Rs</b>	<b>3,959.09</b>
5	O&M Charges for 6 years including one year defect liability period.	229.27
	<b>Grand Total</b>	<b>4,188.36</b>

**6. SAAP Provision**

Govt Share	= Rs. 11.00 Cr
State Share	= Rs. 29.00 Cr
<b>Total</b>	<b>= Rs. 40.00 Cr</b>

The excess of SAAP provision in the scheme shall be met from savings in other towns

## Sewerage - Hisar Town

### 1. Projected Population & requirement of treatment

Year	Population	Required Capacity of STPs (MLD)
2018	395663	50.50
2033	593493	76
2048	712191	91.50

### 2. Existing Sewerage System

Sr. No	Description	Qty.
1.	Sewer lines 200 mm to 1100 mm	325 Kms
2.	Sewage Treatment Plants (S.T.P) a) STP-I at New Rishi Nagar based on SBR technology for Zone-I b) STP-II at Rajgarh road based on SBR technology for Zone-II c) HUDA STP at Tosham road based on SBR technology for Zone-III d) STP on Hisar Kaimari Tosham Link Road	40 MLD 15 MLD 15 MLD 4 MLD ( <b>Under Construction</b> )

### 3. Need of the project-

About 85% area of the city is covered with the sewerage system. Sewage treatment facilities are available in the form of 3 no. STPs of 40 MLD, 15 MLD & 15 MLD (total 70 MLD). Another 4 MLD STP is under construction thus, a total Capacity of 74 MLD will be available. Present daily waste water discharge is about 50.50 MLD and the expected discharge for the mid design year (2033) is 76 MLD .There is gap of 2 MLD from the existing STPs to cater the discharge of mid-year 2018 i.e. 76 MLD. 8 MLD STP has been proposed for Zone III/IV which will make the total capacity of 82 MLD.

Govt of Haryana has notified 16 Colonies of Hisar as civic amenities and infrastructure deficit area, Out of these five colonies have already been sewerred. Remaining eleven approved colonies are lacking in sewerage facilities.

**4. Proposed works - :** Sewer Network in left out areas & newly approved colonies:

Sr. No	Description	Quantity
1	DWC pipeline of sizes varying from 200mm to 300 mm.	53. 9 Km
2	RCC S&S, NP-3 pipe sizes varying from 400 mm to 500mm.	12.7 Km
3	RCC S&S, NP-4 pipe sizes varying from 500 mm to 1100mm with Trenchless Technology.	1.7 Km
4	House Sewer connections.	4048 nos.
5	Construction of STP based on SBR Technology at village Dabra .	8 MLD
6	Renovation of existing Police line disposal	1 job
7	Constructions of MPS/IPS (capacities 10 MLD, 4.5 MLD and 0.5 MLD) at Disposal Satroad Khurd, Govt. School-Satroad and Sahid Bhagat Singh Colony.	3 nos.
8	O&M including 1 year defect liability period.	6 years.

**5. Abstract of Cost –**

Sewerage System in Civic amenities & infrastructure in Deficient area and replacement of defected lines alongwith Trenchless sewer work in Hisar town under AMRUT			
GENERAL ABSTRACT OF SEWERAGE SYSTEM,HISAR			
Sr. No.	Sub Head	Particulars	Amount in Lacs
1	Sub Head 1	Providing, Laying and Jointing of Lateral Sewer and Main Sewer lines with construction of Manholes for Hisar	2,868.96
2	Sub Head 2	Construction of MPS- Huda Disposal complete with Inlet chamber, Screening Chamber & collecting tank, Rising Mains & pumping Machinery	879.08
3	Sub Head 3	Construction of IPS- Satorad khurd backside Govt School complete with Inlet chamber, Screening Chamber & collecting tank, Rising Mains & pumping Machinery	99.81
4	Sub Head 4	Construction of IPS- Bhagat Singh Colony complete with Inlet chamber, Screening Chamber & collecting tank, Rising Mains & pumping Machinery	28.24
5	Sub	Construction of 8 MLD Sewage Treatment Plant	1,051.16

	Head 5	In STP campus at village Dabra	
6	Sub Head 6	Renovation of Police line Disposal	132.26
7	Sub Head 7	Providing house sewer connections in left out/ newly approved colony Hisar	200.21
		<b>Sub Total</b>	<b>5,259.72</b>
8		Add 0.25% Contingency Charges	13.15
9		1% Quality Control Charges	52.60
		<b>Total</b>	<b>5,325.47</b>
10		O & M Cost for Sewer line along with cost of IPS & RCC shaft for 6 year including 1 year defects liability period	430.00
		<b>Grand Total (Rs. In Lacs)</b>	<b>5,755.47</b>
		<b>Say Rs in Crore.</b>	<b>57.55</b>

#### 6. SAAP Provision

GoI Share	= Rs. 21.00 Cr
State Share	= Rs. 21.00 Cr
<b>Total</b>	<b>= Rs. 42.00 Cr</b>

The excess of SAAP provision in the scheme shall be met from savings in other towns

## Sewerage - Palwal Town

### 1. Projected Population & requirement of treatment

Year	Population	Required Capacity of STPs (MLD)
2018	217305	26.50
2033	325955	39.00
2048	391151	46.50

### 2. Existing Sewerage System

Sr. No	Description	Qty.
1.	Sewer lines	160Kms
2.	Sewage Treatment Plant on Jbdhpur road based on Oxidation Pond Technology.	9 MLD

### 3. Need of the project-

About 70% area of the city stands covered with the sewerage system. Sewerage treatment facilities are available in the form of 1 no. STP of capacity 9 MLD. Present daily waste water generation is about 12 MLD and the expected discharge for the mid design year ( 2033) is about 39 MLD and year 2048 is 46.50 MLD. 3 nos. STPs of 15 MLD, 10MLD and 2.5MLD ( total 27.50 MLD) have been proposed.

### 4. Proposed works -: Sewer Network in left out areas & newly approved colonies:

Sr.No	Description	Quantity
1	DWC pipe of sizes varying from 200 mm to 250 mm	110.7 Km
2	RCC S&S, NP-3 pipe sizes varying from 400 mm to 700mm.	24.7 Km
3	Construction of STP with MPS based on SBR Technology Zone – 1 at Jbdhpur Road in existing 9 MLD STP Campus.	15 MLD
4	Construction of STP with MPS based on SBR Technology Zone – 2 adjusant to Bhangori Minor in Katwari-Palwal area.	10 MLD
5	Construction of STP with MPS based on SBR Technology Zone – 3 at village Ferozpur.	2.5 MLD
6	Construction of IPS in village Meghpur	0.19 MLD

7	Construction of IPS in village Kithwari	0.61 MLD
8	House Connection	4390 Nos.
9	O&M including 1 year defect liability period.	6 years.

**5. Abstract of Cost :-**

Providing Sewerage System for Civic Amenities & Infrastructure Deficient Area and other Approved Area including Rehabilitation and Construction of STP based on SBR Technology at Palwal Town under AM RUT		
General Abstract of Cost		
S.No.	Particulars	Cost Rs in Lac
<b>A</b>	<b>Sewer Network</b>	
1	Sub Head 1 Providing, Laying and Jointing of Branch & Main Sewer lines with construction of ROC Manholes for 12 Approved colonies and 12 Villages of Palwal Town	4,092.61
2	Sub Head 2 Road Restoration	376.45
3	Sub Head 3 Trenchless Sewer line Work along with construction of ROC Manholes at Palwal	48.09
	<b>Sub Total (A)</b>	<b>4,517.15</b>
<b>B</b>	<b>Treatment facilities &amp; IPS</b>	
4	Sub Head 4 Construction of 15 MLD STP for Zone 1	2,096.24
5	Sub Head 5 Construction of 10 MLD at Zone No 2	1,830.73
6	Sub Head 6 Construction of 2.50 MLD at Zone No 3	388.63
7	Sub Head 7 Intermediate Pumping Station in village of Meghpur capacity 0.19 MLD	14.08
8	Sub Head 8 Intermediate Pumping Station in village of Kithwari capacity 0.61 MLD	19.84
9	Sub Head 9 Cost of online analyzer for various parameter of treated waste water such as pH, BOD, COD, TSS, and total nitrogen for 3 nos. STPs @ 12.95 lacs	38.85
	<b>Sub Total (B)</b>	<b>4,388.37</b>
	<b>Sub Total (A+B)</b>	<b>8,905.52</b>
10	Add 0.25% Contingency Charges	22.26
11	Add 1.0 % Quality Control Charges	89.06
	<b>Sub Total</b>	<b>9,016.84</b>
12	O&M Charges for 6 years including one year defect liability period.	902.89
	<b>Grand Total</b>	<b>9,919.73</b>

**6. SAAP Provision**

GoI Share	= Rs. 11.75 Cr
State Share	= Rs. 48.25 Cr
<b>Total</b>	<b>= Rs. 60.00 Cr</b>

The excess from SAAP provision in the scheme shall be met from savings in other towns

## Water Supply – Palwal Town

### 1. Projected Population & Water Demand

Year	Population	Water Demand (MLD)
2018	217305	33.77
2033	325955	50.65
2048	391115	60.79

2. Existing rate of water supply = 110 LPCD  
 3. Proposed rate of water supply (2033) = 135 LPCD + 15% Losses

### 4. Existing Sources

• Tube well- 90 Nos.	26.54 MLD
• Clear Water Tank – 7 nos.	13.51 ML
• OHSR – 5 No:	2.2 ML
• Distribution System	
i. Boosting pumping Stations	7 Nos.
ii. Pipeline	192.00 Km

### 5. Need of Project:-

The whole town is still not fully covered with distribution system. About 45% of the town is still uncovered with water supply. Therefore these water supply problems need to be attended immediately so that basic need of drinking water supply is fulfilled.

### 6. Scope of Work:-

Sr.No	Description	Quantity
1.	Drilling and installation of Tubewells, Pump House and Machinery.	27 Nos.
2.	Distribution pipeline DI K-7 of sizes varying from 100 to 400 mm	132.7 Km
3.	Pising main pipeline DI K-7 of sizes varying from 100 to 600 mm	17.03 Km.
4.	Clear water reservoir at Fazilpur , Kailashnagar , Ferozpur & Alahpur Village.	4 Nos.
5.	Pump house along with Machinery for Boosing Station at Fazilpur , Kailashnagar , Ferozpur & Alahpur Village, capacity 3850, 3690, 990, 607 cum respectively.	4 Nos.
6.	R.C.C Overhead Reservoir at Kailashnagar and Harinagar	2 Nos.
7.	Water House service connection	9371 Nos
8.	O&M including one year Defect Liability Period	6 years
9.	Drilling and installation of Tubewells, Pump House and Machinery.	27 Nos.
10.	Distribution pipeline DI K-7 of sizes varying from 100 to 400 mm	132.7 Km

**7. Abstract of Cost-**

<b>Providing Water Supply System in Civic Amenities and Infrastructure Deficient Area including Villages in Palwal Town under AMRUT</b>			
<b>General Abstract of Cost</b>			
<b>S.No.</b>		<b>Particulars</b>	<b>Cost Rs. (in Lac)</b>
1	Sub Head 1	Construction of Tube Well 27 Nos. along with Allied works	305.30
2	Sub Head 2	Laying & Jointing of Rising & Distribution Pipe Line, supply along with Allied works	2828.88
3	Sub Head 3	Construction of Clear Water Reservoir with Pumping Machinery, Pump House, along with Allied works	1,076.05
4	Sub Head 4	Automation of 27 nos. tube wells, 2 OHSR& 4 no. Boosting Stations	184.85
5	Sub Head 5	Cost of Road cutting and restoration works	204.59
		<b>Sub Total</b>	<b>4,599.67</b>
6		Add 0.25% Contingency Charges	11.50
7		Add 1.0 % Quality Control Charges	46.00
		<b>Sub Total</b>	<b>4,657.17</b>
8		O&M Charges for 6 year including one year defect liability period.	449.17
		<b>Grand Total</b>	<b>5,106.34</b>

**8. SAAP Provision**

GOI share = Rs. 13.145 Cr.  
 State share = Rs. 26.855 Cr.  
**Total = Rs. 40.00 Cr.**

The excess of SAAP provision in water supply scheme shall be met from savings in other towns.

## Water Supply - Rewari Town

### 1. Projected Population & Water Demand

Year	Population	Water Demand (MLD)
2018	185038	27.00
2033	272422	40.00
2048	325530	48.00

2. Existing rate of water supply = 135 LPCD  
 3. Proposed rate of water supply (2033) = 135 LPCD + 15% Losses

### 4. Existing Sources Existing Storage and Future Demand for 2033

#### a. S&S Tanks

Sr. No.	Sedimentation cum storage tank	Present Capacity (MG)	Net Storage capacity in MG (After accounting seepage & evaporation Losses)	Demand (MGD)		Storage available for nos. of days		Gap (Days)	
				2033	2048	2033	2048	2033	2048
1.	Kalaka (PHED)	98	73.5	6.44	7.72	11 Days	10Days	4 Days	5 Days
2.	Lisana	34	25.5	2.88	3.41	9 Days	8 Days	6 Days	7 Days

#### b. Water Treatment Plant Capacity

Sr. No.	RSF WTP	Present Capacity (MLD)	Demand for 2033	Demand for 2048	Gap		Work proposed under project
					2033	2048	
1.	3 nos. Filter Plant @6.5 MLD at Kalaka w/w	14.00* MLD	29.23 MLD	35.07 MLD	15.23 MLD	21.07 MLD	2033 15.00 MLD
2.	Lisana w/w	9.00 MLD	13.07** MLD	15.47 MLD	4.07 MLD	6.47 MLD	--

#### Note:

\* Existing Filter plant no. 1 of capacity 6.5 MLD is very old and not functioning to the desired standards and giving only 1 MLD output and therefore deduction of capacity has been accounted.

\*\* For Lisana water works capacity of treatment shall be less in 2033, but not considered due to the fact that some areas are being fed by HUDA water works.

**c. Clear Water Tank Capacities**

Sr. No.	CWT	Present Capacity (MLD)	Requirement of storage		Gap		Work proposed under project	%age achievement after project
			2033	2048	2033	2048		
1.	Kalaka	1800 cum	2435 cum	2923 cum	635 cum	1123 cum	1123	100%
2	Lisana	2133 cum	1633 cum	1934 cum	NIL	NIL	--	--

**d. Existing Distribution line length** :- 382.89 km

**e. Existing Boosting Stations at various locations** :- 25 nos.

**5. Need of Project:-**

Whole town is still not fully covered with distribution system and about 20% of the town is still uncovered with water supply. Also, in some of the areas, pipe lines laid are old and facing difficulties during O&M. Therefore these water supply problems need to be attended immediately so that basic need of drinking water supply is fulfilled. Replacement of old pipe lines in other colonies and providing water treatment filtration plant have also been proposed.

**6. Scope of Work:-**

Sr.No	Description	Quantity
1.	Distribution pipeline DI K-7/K9 of sizes varying from 100mm -300 mm	62.8 Km
2.	Construction of Boosting station including Clear Water Reservoir, Pump House at Shakti Nagar, Delhi Gate and Lisana Water Works.	3 nos.
3.	Construction of additional filter plant at Kalaka Water Works.	15 MLD
4.	Construction of additional clear water reservoir at Kalaka Water Works.	1123 KL
5.	Construction of Pump House at Kalaka Water Works.	1 job
6.	Providing Water Meters for approved colonies	1909 nos.
7.	O&M including one year Defect Liability Period	6 Years

**7. Abstract of Cost-**

Providing Water Supply System in Civic Amenities and Infrastructure Deficient Area and Other Approved Area of Rewari Town under AMRUT Program		
General Abstract of Cost		
S.No.	Particulars	Cost in Rs Lac
1	<b>Distribution Network in 17 Nos Approved Colonies and Replacement In Other Colonies</b> (i) DI Pipe Lines and Valves and Chambers (ii) Road Restoration	883.49
2	<b>Construction / Augmentation/ Renovation of Boosting Stations</b> (i) Construction of Boosting Station at Shakti Nagar (ii) Construction of Boosting Station at Delhi Gate (iii) Construction of Boosting Station at Lisana Water Works (iv) Construction of Boundary Wall of Brick masonry for boosting station at GulabBagh (v) Providing / Replacement of Pumping Machinery at New/ Existing Boosting Stations	374.48
3	<b>Augmentation of Water Works Kalaka</b> (i) Construction of Additional Filter Plant at Kalaka Water Works (15 MLD Capacity) (ii) Construction of Additional Clear Water Reservoir at Kalka Water Works Head works (1123 cum) (iii) Augmentation of Raw Water Sump and Pumping Machinery at Kalaka Water Works (iv) Pump House at Water Works Kalaka	611.60
4	<b>Miscellaneous Development Works within Kalaka Water Works</b> (i) Construction of ROC Boundary Wall 4.2 meter high on western face. (ii) Construction of road pavement by providing & laying 80 mm thick interlocking paver blocks (iii) Construction of Cement Concrete path (iv) Construction of Boundary wall 1.2 m height with barbed wire fencing for protection of inlet channel (v) Inter connection of Raw Water Storage and Sedimentation Tank of HUDA and PHED Water Works at Kalaka- Length= 100 Meter (vi) Construction of Staff Quarter for 2 Nos Water Works Staff (G+1 format) At water works Kalaka (vii) Providing and installation of transformer and DG set of 2x320 KVA Capacity (viii): Desilting of 5 nos. Raw Water Storage Tanks at Kalaka Head Works including carriage of desilted earth up to lead of 2 Km	427.76
5	<b>Construction of Testing Lab at PHED Campus Shakti Nagar : Size 28m X 22.5 m</b>	78.04
6	<b>Metering of Water Connections</b>	77.81
7	<b>Construction of 2 Nos Complaint centres (50 Sqm each)</b>	12.29
<b>Sub Total Rs.</b>		<b>2,465.47</b>

8	Add 1.0 % Quality Control Charges	24.66
	<b>Sub Total</b>	<b>2,490.13</b>
9	O&M Charges for 6 years including one year defect liability period	346.77
	<b>Grand Total</b>	<b>2,836.90</b>
	<b>Say Rs.</b>	<b>28.37 Cr.</b>

**8. SAAP Provision**

GOI share = Rs. 11.85 Cr.  
 State share = Rs. 11.85 Cr.  
**Total = Rs. 23.70 Cr.**

The excess from SAAP provision in the scheme shall be met from savings in other towns.

## Sewerage - Rohtak Town

### 1. Projected Population & requirement of treatment

Year	Population	Required Capacity of STPs (MLD)
2018	548034	78
2033	822051	117
2048	986461	138

### 2. Existing Sewerage System

Sr. No	Description	Qty.
1.	Sewer lines	508.59 Kms
2.	Sewerage Treatment Plants (S.T.P) Zone -1: a. 10 MLD STP -Singhpura Zone b. 14 MLD STP -Singhpura Zone  Zone -2 : (STP-40 MLD -Sugar Mill Zone)  Zone – 3: ( STP - 19 MLD -PGIMS Zone)  Zone-4 ( STP-10 MLD -Sector 25 HUDA Zone)	93.00 MLD
3.	Intermediate Pumping Stations (IPS) at different locations	16 Nos.

### 3. Need of the project-

About 75% area of the city is covered with the sewerage system and sewage treatment facilities are available in the form of 4 no. STPs of 93.00 MLD as stated above. Present daily waste water generation is about 52 MLD and the expected discharge for the mid design year (2033) is about 117MLD and in year 2048 as 138 MLD. Construction of two STP of 15 MLD and 12 MLD, and renovation of 10 MLD STP of Singhpura has been proposed, which would be sufficient up to year 2033.

To cover the sewerage network facilities in 34 approved colonies , approved area lacking in sewerage facilities, Khokhrakot area and 7 villages; 169.00 km new sewer line and replacement of 5.173 Km old /settled sewer has been proposed. Separate drain sewerage system, Gobar Gas Plant of dairy complex and setting of gas digester has also been included.

**4. Proposed works - :** Sewer Network in left out areas & newly approved colonies:

<b>Sr. No</b>	<b>Description</b>	<b>Quantity</b>
1	(i) Sewerage DWC HDPE class SN 8 pipe of sizes varying from 200mm Dia to 300 mm dia in 34 approved colonies, missing links and replacement lines of Rohtak Town.  (ii) Sewerage DWC HDPE class SN 8 pipe of sizes varying from 200mm Dia to 300 mm Dia in Khakharakot of Rohtak Town.  (iii) Sewerage DWC HDPE class SN 8 pipe of sizes varying from 200mm Dia to 300 mm Dia & RCC pipe of sizes 400mm Dia to 1400 mm Dia in 7 Villages, trunk sewer, main sewer for Sunariyan Khurd of Rohtak Town.	40.84 Km  39.21 KM  84.37 KM
2	RCC S&S, NP-3 pipe sizes varying from 400mm to 700mm.	8.5 Km.
3	HDPE PE 100/PN6 500mm pipe.	1.2 Km.
4	House Sewer connections.	13760 nos.
5	Construction of STP based on SBR Technology at Peer Bhodi.	15 MLD
6	Construction of STP based on SBR Technology at Garhi Bohar	12 MLD
7	Renovation of STP at Singhpura	10 MLD
8	Construction of MPS for STP at Garhi Bohar.	27 MLD
9	Construction of IPS at various locations .	8 nos.
10	Separate waste water collection system and Gobar Gas Plant for Dairy Complex, Rohtak.	1 lot.
11	O&M including 1 year defect liability period.	6 years.

**5. Abstract of Cost –**

<b>Augmentation &amp; Providing Sewerage System in Civic amenities &amp; infrastructure in deficient area and other approved area including construction of STP at Rohtak town under Amrut</b>			
<b>GENERAL ABSTRACT OF SEWERAGE SYSTEM, Rohtak</b>			
<b>Sr. No.</b>	<b>Sub Head</b>	<b>Particulars</b>	<b>Amount in Lacs</b>
1	Sub Head 1	Sewerage Network in Rohtak Town	7,636.25
2	Sub Head 2	STP, MPS and IPS at Rohtak	7,088.54
3	Sub Head 3	Drain, Sewer and Gobar gas Plant Dairy Complex	<b>243.01</b>
		<b>Sub Total</b>	<b>14,967.80</b>
3		Add 0.25% Contingency Charges	37.42
4		1% Quality Control Charges	149.68
		<b>Total for AMRUT Project</b>	<b>15,154.90</b>
6		O&M Charges for 6 year including one year Defects liability Period	1,154.35
		<b>Grand Total</b>	<b>16,309.25</b>
		<b>Say Rs Cr</b>	<b>163.09</b>

**6. SAAP Provision**

Gov Share	=	Rs. 26.50 Cr
State Share	=	Rs. 98.50 Cr
<b>Total</b>	=	<b>Rs. 125.00 Cr</b>

The excess from SAAP provision in the scheme shall be met from savings in other towns.

**Water Supply - Rohtak Town**

1. Projected Population & Water Demand

Year	Population	Water Demand (MLD)
2018	548034	102.69
2033	822051	113.90
2048	986461	136.04

2. Existing rate of water supply = 110 LPCD  
 3. Proposed rate of water supply (2033) = 135 LPCD + 15% Losses  
 4. Existing Sources

Canal Based Water Supply based on JLN feeder canal water works

i) Inlet Channel

1. Water works Sonapat-Rohtak road : 30.00 cusec.
2. Water works Jhajjarroad : 16.00 cusec.
3. Water works Sonapat Road : 28.26 cusec
4. Water works Jat Education Institute : 2.25 cusec
5. 8 villages inducted in MC : 16.22 cusec

**Total = 92.73 cusecs**

ii) S&S Tanks at :-

- |                                        | Nos:             | Capacity          |
|----------------------------------------|------------------|-------------------|
| a. Water works Sonapat-Rohtak road     | : 3 nos. :-      | 212.98 ML         |
| b. Water works Jhajjarroad             | : 3 nos. :-      | 362.32 ML         |
| c. Water works Sonapat Road            | : 4 nos. :-      | 340.65 ML         |
| d. Water works Jat Education Institute | : 2 nos. :-      | 22.85 ML          |
| e. 8 villages inducted in MC           | : 19 nos. :-     | 144.26 ML         |
| <b>Total =</b>                         | <b>31 Nos.:-</b> | <b>1083.07 ML</b> |

iii) Filtration plants – 62 nos. – Capacity :- 105.70 ML

iv) Clear Water storage Tank – 36 nos. - Capacity :- 25.48 ML

v) Booster Pumping Stations at different locations :- 18 nos.

vi) Distribution net work comprises AC/PVC/DI pipes :- 511.64 KM  
 In town including 8 Villages

5. **Need of Project-:**

Whole town is still not fully covered with water supply distribution system and about 20% of the town is still uncovered. Water supply problems need to be attended in the uncovered areas so that basic need of drinking water supply is fulfilled. This DPR has been prepared to provide distribution pipe line in 18 approved colonies & 8 villages inducted in MC. Provision for RCC S&S Tanks, Clear Water reservoir, OHSR, Water Treatment Plants and new house connections has been made in the DPR.

**6. Scope of Work:-**

<b>Sr. No</b>	<b>Description</b>	<b>Quantity</b>
1.	Pipeline DI K-7 of sizes varying from 100 -500mm .	229.4 Km
2.	Rising Main DI K-7 pipe Dia 200 mm to 500 mm	8.8 KM
3.	House Water Connections	8786 Nos.
4.	Construction of Storage and Sedimentation tank complete at Kanheli Water Works	7612 KL
5.	Construction of Clear Water Reservoir complete at proposed 3 <sup>rd</sup> Water Works.	7065 KL
6.	Construction of Overhead Service Reservoir at Khokra Kot Area	1542 KL
7.	Construction of Water Treatment Plant at proposed 3 <sup>rd</sup> Water Works.	22 MLD
8.	Construction of 2 no. Water Treatment Plant complete of capacity -2.5 MLD each at Kanheli & Baliyana	5 MLD
9.	Construction of 2 no. Water Treatment Plant complete of capacity -0.9 MLD each at Sunariya Khurd and Pharawar	1.8 MLD
10.	O&M including one year Defect Liability Period	6 years

**7. Abstract of Cost-**

<b>Providing Water Supply System for Civic Amenities &amp; Infrastructure Deficient Area and other Approved Area including villages along with Augmentation of Existing System at Rohtak Town under AMRUT</b>		
<b>General Abstract of Cost</b>		
<b>S.No.</b>	<b>Particulars</b>	<b>Cost in Rs Lac</b>
1	Survey and Site Development Work for Head Works and pipeline	7.36
2	Providing, Laying and Jointing of DI K-7 Pipe Line, Sluice Valve and allied works in 18 approved colonies and other approved area KhokraKot and Dairy Complex along with providing feeder mains and water Supply connections .	3,769.01
3	Construction of Clear Water Reservoir with, Pump House, Pumping Machinery and other Allied works with in the water works campus	2,464.00
4	Renovation of raw water and clear water tank pumping machinery of 1st and 3rd water works and replacement of old centrifugal pumping Set, Sluice Valves, Non return valve, filter media and alongwith change of providing 9 nos Flow control valve at B/S of 3rd W/W.	380.30
5	Disilting of SS Tanks all four water works of town	272.96

6	Construction of Water Treatment Plant of 22 MLD capacity alongwith all Electrical, Mechanical and Instrumentation work complete in all respect	933.89
7	Construction of 2 Nos Water Treatment Plant of 2.5 MLD capacity alongwith all Electrical, Mechanical and Instrumentation work complete in all respect at Kanheli & Baliyana	136.50
8	Construction of 2 Nos Water Treatment Plant of 0.90 MLD capacity alongwith all Electrical, Mechanical and Instrumentation work complete in all respect at Sunariya Khurd & Paharawer	91.67
9	Road cutting and restoration works	727.85
	<b>Sub Total Rs</b>	<b>8,783.54</b>
10	Add 0.25% Contingency Charges	21.96
11	Add 1.0 % Quality Control Charges	87.84
	<b>Sub Total</b>	<b>8,893.34</b>
	<b>Say</b>	<b>8,871.00</b>
12	O&M Charges for 6 years including one year defect liability period	629.00
	<b>Grand Total</b>	<b>9,500.00</b>
	<b>Say</b>	<b>95.00 cr.</b>

**8. SAAP Provision:**

GOI share = Rs. 20.50 Cr.  
 State share = Rs. 29.50 Cr.  
**Total = Rs. 50.00 Cr.**

The excess of SAAP provision in the scheme shall be met from savings in other towns.

### **Drainage: Sirsa Town**

1. Population of Town as per 2011 census - 1,82,534
2. Project Area - 187 Hectare

### **3. Existing Storm Water drainage system**

As Open drains -in whole Tow

### **4. Need of the project:**

The topography of Sirsa town is mostly plain with some low lying pockets are scattered. Interior old portion of Sirsa town is having narrow paved lanes with open drains on both sides. These drains carry storm water from open verandahs and roofs of houses to larger drains. These larger drains carry the storm water to existing water bodies such as ponds and other existing low lying areas. During rains these low lying area are inundated causing flood like situation.

Some of the low lying areas where rain water collects during rains are as below.

- i. Bal Bhawan Area.
- ii. Sadar Thana
- iii. Zila Udham Officer
- iv. Area Near MC Office
- v. DHBVN Office
- vi. Court Colony
- vii. Shiv Colony .
- viii. Bansal Colony
- ix. Director United Agriculture Cotton Department
- x. Library Area

These areas need immediate attention so that the rain water does not stagnate during rain fall causing flooding of low lying areas and inconvenience to the general public.

**5. Proposed scope of work:-**

Sr.No	Description	Quantity
1.	RCC S&S class NP-3 pipe of sizes varying from 800mm to 1800mm.	2219 m
2.	Construction of Main Pumping Station including machinery at Irrigation office premises.	1 No
3.	RCC S&S class NP-3 pipe of 1200mm dia meter for Rising Main	3200 Mtr.

**6. Abstract of Cost**

DETAIL PROJECT REPORT FOR PROVIDING LAYING OF STROM WATER SEWER AT SIRSA TOWN HARYANA(UNDER AMRUT)			
ABSTRACT OF COST			
Sr. No.	SUB HEAD	SUB HEAD	Rs. In Lakh
1	SUB HEAD 1	STORM SEWER NETWORK	343.23
2	SUB HEAD 2	MAIN PUMPING STATION	
	A	Construction of Civil work at MPS	84.51
	B	Pumping Machinery & Other Misc.	374.83
		TOTAL	802.57
3	--	Add 0.25% Contingency Charges	2.01
4	--	1% Quality Control Charges	8.03
5		Grand Total (Rs. In Lacs)	812.61
		<b>Say Rs in Crore.</b>	<b>8.13</b>

**7. State Annual Action Plan Approval**

Gol Share = Rs. 3.50 Cr  
 State Share = Rs. 3.50 Cr  
**Total = Rs. 7.00 Cr**

**Note:** The excess over the approved amount will be met from the savings from the other components approved under AMRUT scheme.

## Sewerage – Yamunanagar- Jagadhari Town

### 1. Projected Population & requirement of treatment

Year	Population	Required Capacity of STPs (MLD)
2018	563158	60.82
2033	844738	91.23
2048	1013686	19.48

### 2. Existing Sewerage System

Sr. No	Description	Qty.
1.	Sewer lines 200 mm to 1400 mm	525 Kms
2.	Sewage Treatment Plants (S.T.P)	25 MLD
	a) STP-I on Sharanpur- Kurushetra Road	10 MLD
	b) STP-II at Village Badi Majra across WJC.	8 MLD
	c) HUDA STP being taken up by HUDA	24 MLD
	d) STP near Village Parwali (Under Construction).	30 MLD
	e) Augmentation of existing STP 25 MLD & 10 MLD with additional Capacity of 20 MLD and 10 MLD respectively being taken up by PHED under State Plan.	

### 3. Need of the project-

About 90% area of the city is covered with the sewerage system. Sewage treatment facilities are available in the form of 2 no. STPs of 25 MLD, 10 MLD (total 35 MLD). Another 24 MLD STP is under construction thus, a total Capacity of 59 MLD will be available. Present daily waste water discharge is about 60.82 MLD and the expected discharge for the mid design year (2033) is 91 MLD .There is gap of 32 MLD from the existing STPs to cater the discharge of mid-year 2018 i.e. 91 MLD. Augmentation of existing STP with additional Capacity of 20 MLD and 10 MLD

situated in Yamunanagar under State Plan being taken up by PHED are in progress. The work of 8 MLD capacity STP in HUDA area will be taken up by HUDA authority.

**4. Proposed works -:**

<b>Sr. No</b>	<b>Description</b>	<b>Quantity</b>
1.	Sewer pipeline(DWC) HDPE of sizes varying from 200mm to 300mm	105.60 km
2.	RCC S&S class NP-3, HDPE lined pipe of sizes varying from 300mm to 700 mm.	11.27km
3.	Construction of Intermediate Pumping Stations at various location capacity varying from 0.15 MLD to 3.02 MLD.	8 Nos.
4.	O&M of scheme after one year Defect Liability Period	5 years

**5. Abstract of Cost –**

<b>Augmentation &amp; Providing Sewerage System in Civic amenities &amp; infrastructure in left out area and other approved colonies at Yamuna Nagar under AMRUT.</b>		
<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount in Lacs</b>
1	Abstract of Cost for Providing sewer lines in 13 Nos villages and city area in Yamuna Nagar	2808.56
2	Abstract of Cost for Providing sewer lines in 6 Nos villages and city area in Jagadari	1235.54
3	Abstract of Cost for Providing IPS at Udhamgarh, Tejali, Dharwa, Garhi Banjara, Telipura, Buriya, Khera and Jarodi	296.00
4	Estimate for Construction of 2 Nos MS Bridge over Canal at Tikaona Chowk & Near Village Jarodi for Rising Main	10.69
	<b>Sub - Total</b>	<b>4350.79</b>
5	Provisional sum for Shifting of Utilities such as water supply line, sewer lines, telephone and power lines and compensation to be paid to NHAI, Forest Departments etc.	100.00
6	Add 0.25% Contingency Charges	10.87
7	1% Quality Control Charges	43.50
	<b>Sub - Total</b>	<b>4505.16</b>
8	O & M Cost for Sewer Line along with 8 Nos of IPS. The expenditure of this item is to born by the State Government as AMRUT guide line does not permit the same	444.00
	<b>Grand Total</b>	<b>4949.16</b>
		<b>49.49 Cr.</b>

**6. SAAP Provision**

Gov Share	=	Rs. 19.50 Cr
State Share	=	Rs. 19.50 Cr
<b>Total</b>	=	<b>Rs. 39.00 Cr</b>

The excess of SAAP provision in the scheme shall be met from savings in other towns