

Himachal Pradesh

Jal Shakti Vibhag

No. JSV SE (P&I-I)-EE (D-I) - Technical Committee/2022-23-2025-39

Dated: - 3/7/2023

To

Director (RDD)  
SDA Complex, Block No. 27,  
Shimla-09

The Chief Engineer,  
(S/Z), (M/Z), (H/Z), (D/Z), (D&M) &  
CE- Cum- Director WSSO  
Under Jal Shakti Vibhag

Director (UD),  
Palika Bhawan, Talland,  
HP Shimla-171001

Dr. Arvind Kumar Nima,  
Dr. B.J.Alappat  
Professors, Civil Engineering Department,  
IIT New Delhi.

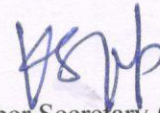
Sr. Environmental Engineer/  
Sr. Scientific Officer,  
HP PCB Phase-III,  
New Shimla-09.

**Subject: -**

**1<sup>st</sup> meeting of State Level Technical Committee for Scrutiny and approval of DPRs for Sewerage Scheme in HP.**


Enclosed please find herewith the minutes of 1<sup>st</sup> meeting of State Level Technical Committee for Sewerage, held on 15.06.2023 under the Chairmanship of E-in-C (JSV) at Jal Shakti Bhawan, Shimla-05 for your kind information and further necessary action with the rider that cost indicated with individual cases is not in the mandate of committee and the approval is only for process/ technologies to be adopted.

**DA: -Minutes of Meeting**

  
Member Secretary-Cum-  
Superintending Engineer  
P&I-I, Jal Shakti Bhawan,  
Shimla-05.

Copy to:

1. The Secretary (JSV) to the Government of HP Shimla-2 for information please.
2. The Engineer-in-Chief, JSV Jal Shakti Bhawan Shimla-05 for information please.
3. The Controller (F&A) JSV, Jal Shakti Bhawan Shimla-05 for information please.

  
Member Secretary-Cum-  
Superintending Engineer  
P&I-I Jal Shakti Bhawan,  
Shimla-05.

**Minutes of the 1<sup>st</sup> State Level Technical Committee (Sewerage) meeting for the year 2023-24 held on 15.06.2023 under the Chairmanship of Er. Sanjeev Kaul, Engineer-in- Chief (JSV), at Jal Shakti Bhawan, Shimla -5.**

1<sup>st</sup> meeting of the State Level Technical Committee (Sewerage) to evaluate the proposals of sewerage schemes was held under the Chairmanship of Engineer-in- Chief (JSV) at Jal Shakti Bhawan, Shimla - 5 on 15.06.2023.

At the outset, the Member Secretary – cum – Superintending Engineer (P&I-I) welcomed the Chairman and members.

Member Secretary informed that the previous meeting of the Technical Committee was held on 01.09.2021 and minutes of the meeting were circulated to all concerned vide letter No. SE.IPH.P&I-I-D-I. Tech. Committee/2021-22-1968-82 dated 15.09.2021. Since no comments were received, the minutes were confirmed.

List of Participants is as per Annexure “A” attached.

Thereafter, agenda items were taken up for discussion one by one detailed as under:

### **Hamirpur Zone:**

#### **1. Providing sewerage to Anu Kalan Panchyat in Tehsil & Distt. Hamirpur (HP)**

The Superintending Engineer, JS Circle Hamirpur presented the case as under:

<b>Sr. No.</b>	<b>Description</b>	<b>Capacity / Details</b>
1	STP Capacity	0.55 MLD
2	Technology	MBBR
3	Length of Sewer Line	<b>DI K-7 pipe</b> 12.66 KM of Dia 150 mm 1.68 KM of Dia 200 mm
4	Manhole Chamber	460 Nos
5	Designed House Hold Connections	920 Nos

The scheme is appearing in MLA priority list for the year 2023-24 as Priority- III.

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR technology

**2. Providing Sewerage Scheme to village Jahu and Adjoining area in Tehsil Bhoranj Distt. Hamirpur (HP)**

The Superintending Engineer, JS Circle Hamirpur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.8 MLD
2	Technology	MBBR with Reed Beds Technology.
3	Length of Sewer Line	<b>DI K-7 pipe</b> 13.11 KM of Dia 150 mm 0.47 KM of Dia 200 mm, 0.25 KM of Dia 250 mm,
4	Manhole Chamber	585 Nos
5	Designed House Hold Connections	400 Nos

The scheme is appearing in MLA priority list for the year 2021-22 as Priority- IV.

During presentation, it was directed to incorporate provision for reuse of treated waste -water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR with Reed Beds Technology.

**3. Providing Sewerage Scheme to Jhandutta Town in Tehsil Jhandutta Distt. Bilaspur (HP)**

The Superintending Engineer, JS Circle Bilaspur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.75 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe</b> 13.82 KM of Dia 150 mm 1.68 KM of Dia 200 mm, 0.71 KM of Dia 250 mm,
4	Manhole Chamber	929 Nos
5	Designed House Hold Connections	460 Nos

The scheme is appearing in MLA priority list for the year 2022-23 as Priority-I.

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

#### 4. Providing Sewerage Scheme to Berthin Town in Tehsil Jhandutta Distt. Bilaspur (HP)

The Superintending Engineer, JS Circle Bilaspur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.50 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe</b> 6.97 KM of Dia 150 mm 0.74 KM of Dia 200 mm
4	Manhole Chamber	381 Nos
5	Designed House Hold Connections	505 Nos

The scheme is appearing in MLA priority list for the year 2022-23 as Priority-II.

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

#### Dharamshala Zone

#### 1. Providing sewerage scheme to Raja ka Talab and adjoining area in Tehsil Fatehpur Distt. Kangra HP (SH:- C/O Sewerage Treatment Plant capacity 1.50 MLD associate sewerage network and O & M for three year)

The Executive Engineer, JS Division Fatehpur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.30 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe</b> 29.92 KM
4	Manhole Chamber	1105 Nos
5	Ultimate population	UP- 10130 + Misc – 30 + Floating-4385

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

2. **Providing sewerage scheme in Fatehpur area and adjoining area in Tehsil Fatehpur Distt. Kangra H.P. (SH:- C/O Sewerage Treatment Plant, capacity 1.00 MLD associated sewerage network O & M for 3 years)**

The Executive Engineer, JS Division Fatehpur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.10 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Ultimate population	UP- 7545 + Misc – 1610 + Floating- 3948

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

### **Mandi Zone**

1. **Detailed Project Report for “Providing Sewerage Scheme to Gram Panchayat Nihri and adjoining area in Tehsil Sundernagar District Mandi-HP (SH:- Construction of STP capacity 0.50 MLD, Associated Sewage Network and O & M for 3 years)**

The Executive Engineer, JS Division Sundernagar presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.50 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe 12.90 KM</b>
4	Manhole Chamber	530 Nos
5	Ultimate Population	UP- 2727 + Misc – 2694 + Floating- 1994

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

**2. Detailed Project Report for “Providing Sewerage scheme to Gram Panchayat Dehar and Jarol in Tehsil Sundernagar District Mandi-HP.”**

The Executive Engineer, JS Division Sundernagar presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Dehar- 0.60 MLD Jarol-0.410 MLD
2	Technology	Dehar- MBBR followed by Constructed Wetland Jarol- MBBR followed by Constructed Wetland
3	Length of Sewer Line	Dehar- <b>DI K-7 pipe</b> 8.78 KM Jarol- <b>DI K-7 pipe</b> 14.33 KM
4	Manhole Chamber	Dehar- 390 Nos. Jarol- 513 Nos.
5	Ultimate Population	Dehar- UP- 7948+ Misc – 2315 + Floating- 6816 Jarol- UP- 3117+ Misc – 516 + Floating- 1117

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. Executive Engineer commits the committee that the treated waste water will be utilized in defunct Irrigation Scheme. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

**Additional Items**

**1. Providing Sewerage facility to village Panjgai in GP Panjga, in Tehsil Sadar Distt. Bilaspur H.P.**

The Superintending Engineer, JSC Bilaspur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.46 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe</b> 8.20 KM
4	Manhole Chamber	273 Nos.
5	Ultimate Population	UP- 3773 + Floating- 1797

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

**2. Providing Sewerage facility to village Baloh in GP Namwan , in Tehsil Ghumarwin Distt. Bilaspur H.P.**

The Superintending Engineer, JSC Bilaspur presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.075 MLD
2	Technology	MBAR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe 2.84 KM</b>
4	Manhole Chamber	111 Nos.
5	Ultimate Population	UP- 698 + Misc. 12883

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

**3. Providing Sewerage scheme to Sihunta and adjoining Area in Tehsil Distt. Chamba H.P.**

The Superintending Engineer, JSC Chamba presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.450 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	
4	Manhole Chamber	
5	Ultimate Population	UP- 3247+ Misc – 1089 + Floating- 1215

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

4. **Providing Sewerage scheme to Kakira Kasba & Kakira Jarai in Tehsil Bhattiyat Distt. Chamba (H.P.)**

The Superintending Engineer, JSC Chamba presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.47 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Ultimate Population	UP- 3393+ Misc – 481+ Floating- 1049

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

5. **Providing Sewerage scheme to Gram Panchayat Ghaluwal in Tehsil Ghaluwal Distt. Una in Himachal Pradesh**

The proposal is as under as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.80 MLD
2	Technology	MBBR followed by Constructed Wetland
3	Length of Sewer Line	<b>DI K-7 pipe</b> 22.683 KM
4	Manhole Chamber	800 No.
5	Ultimate Population	UP- 5739+ Misc – 3453+ Floating- 1064

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

6. **Providing Sewerage scheme to Haroli and adjoining area in Tehsil Haroli Distt. Una Himachal Pradesh**

The proposal is as under as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.50 MLD
2	Technology	MBBR followed by Constructed Wetland

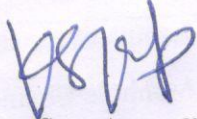


3	Length of Sewer Line	DI K-7 pipe 25.117 KM
4	Manhole Chamber	423 No.
5	Ultimate Population	UP- 53448+ Misc – 1890+ Floating- 805

During presentation, it was directed to incorporate provision for reuse of treated waste water by creating pondage after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. The committee after detailed deliberation approved the MBBR followed by Constructed Wetland.

During the meeting, Chairman directed to explore compact systems for smaller STPs and also directed to take provision of Reuse of Treated waste water by creating pondage of required Capacity after Tertiary Treatment for Irrigation, construction activities and Fire Fighting purpose etc, in the DPR. It must be ensured that no disposal of treated effluent should be made near drinking water sources.

Meeting ended with the vote of thanks to and from the Chair.

  
Member Secretary –cum-  
Superintending Engineer,  
P&I-I, Jal Shakti Bhawan,  
Shimla-5.

Annexure A

List of Participants who attended 1<sup>st</sup> State Level Technical Committee (Sewerage) meeting for the year 2023-24 held on 15.06.2023 at Jal Shakti Bhawan or through VC

Sr. No.	Name	Designation
1	Er. Anju Sharma	Chief Engineer (SZ)
2	Er. Joginder Singh Chauhan	Chief Engineer (WSSO)
3	Er. Suresh Kr. Mahajan	Chief Engineer (DZ) through VC
4	Er. Vijay Kumar Dhatwalia	Chief Engineer (HZ) through VC
5	Er. Upender Vaidya	Chief Engineer (MZ) through VC
6	Er. Rahul Dubey	Superintending Engineer, JSC Bilaspur through VC
7	Er. Rajesh Mongra	Superintending Engineer, JSC Chamba through VC
8	Er. Rajesh Kashyap	Superintending Engineer (P&I-I)
9	Er. Neeraj Bhogal	Superintending Engineer, JSC Hamirpur through VC
10	Er. Vijay Kashyap EE (D)	Executive Engineer (D), SZ
11	Er. Satish Kumar Sharma	Executive Engineer, Bilaspur
12	Er. Rattan Dev	Executive Engineer, Jhandutta
13	Er. Ravinder Kumar	Executive Engineer (P&I-I)
14	Er. Praveen Gupta	Executive Engineer (P&I-I)
15	Er. Vipon Kumar	Executive Engineer, Fatehpur
16	Er. Rajat Garg	Executive Engineer, Sundernagar
17	Er. Pankaj	Junior Engineer, Fatehpur