

Himachal Pradesh
Jal Shakti Vibhag

No. JSV SE (P&I-I)-EE (D-I) - Technical Committee/2021-22-1968-82 Dated: - 15.9.2021

To

Director (RDD),
SDA Complex, Block No. 27,
Shimla-9

The Chief Engineer,
I&PH Department, (S/Z), (M/Z), (H/Z), (D/Z), (D&M) &
CE- Cum- Director WSSO, Shimla-05.

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

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

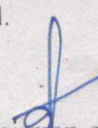
Sr. Environmental Engineer/
Sr. Scientific Officer,
HP PCB Phase-III, New Shimla-09

Executive Officer,
Municipal Council Dehra,
Nagar Panchayat Banjar,
Distt. Kangra & Kullu.

Subject: - 1st meeting of State Level Technical Committee for Scrutiny and approval of DPRs for Sewerage Scheme in HP.

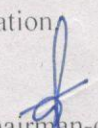
Enclosed please find herewith the minutes of 1st meeting of State Level Technical Committee for Sewerage, held on 01.09.2021 at Jal Shakti Bhawan, Shimla-05 for your kind information and further necessary action with the rider that cost indicated with individual cases is not in the mandate of committee and the approval is only for process/ technologies to be adopted.

DA: -Minutes of Meeting (through e-mail)


Chairman-cum-
Engineer-in-Chief (JSV),
Jal Shakti Bhawan,
Shimla-05

Copy to:

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


Chairman-cum-
Engineer-in-Chief (JSV),
Jal Shakti Bhawan,
Shimla-05.

Minutes of the 1st Meeting of State Level Technical Committee for technical scrutiny and approval of DPRs for Sewerage Schemes held on 01.09.2021 at 11:00 AM through Video Conferencing.

1st meeting of the State Level Technical for process approval of proposed sewerage schemes 2021-22 was held on 01.09.2021 at 11:00 AM through Video Conferencing.

At the outset, Superintending Engineer (P&I-I) welcomed all the members of the committee for 1st meeting of 2021-22. Thereafter the minutes of 1st State Level Technical Committee held on 03.06.2020 were confirmed.

The Chairman apprised that as per the recommendation of the Estimate Committee, the Government has notified vide No. IPH-B (D) 5-2-2014 dated 25.08.2021 that *"In case of construction of Sewerage Scheme by Jal Shakti Vibhag, the laying of sewerage network will be undertaken only after the construction/ completion of at least 60 percent works of Sewerage Treatment Plant (STPs)"*, and instructed all the field offices to follow these guidelines during execution of Sewerage schemes.

List of participants is as per Annexure "A" attached.

Accordingly, agenda items were taken up for discussion one by one as below:

Agenda Item No. 1-Sewerage Schemes for approval.

Shimla Zone

1. Providing Sewerage Scheme to Village Pangti Tehsil Kalpa Distt. Kinnaur (H.P.)

The Executive Engineer, JSV Division Reckong Peo presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.421 MLD
2	Technology	MBBR+ Root Zone
3	Length of Sewer Line	11.75 KM in DI K-7 pipe of Dia 150 mm
4	Manhole Chamber	396 Nos
5	Designed House Hold Connections	702Nos

The committee after detailed deliberation directed EE JSV Division, Reckong Peo that the Sewerage Scheme to village Pangti should be proposed and constructed on the same technology as adopted for Sewerage Scheme Sangla i.e Biodigester Technology as the climatic conditions of the village Sangla and Pangti are similar and the plant installed at Sangla is working properly.

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The committee approved the proposal in principal with the condition that proposal be prepared with Biodigester Technology.

2. Providing Sewerage System to Taklech in Tehsil Rampur Distt Shimla-(H.P.)

The Superintending Engineer, JSV Circle Reckong Peo presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.50 MLD
2	Technology	SBR
3	Main Trunk	5.38 KM in DI K-7 pipe of Dia 150 mm
4	Manhole Chamber	643 Nos
5	Designed House Hold Connections	316Nos
6	Designed Population	2703
7	Design Year	2053

The committee approved the project proposal in principal with Sequential Batch Reactor (SBR) Technology.

3. Providing Sewerage System to Chirgaon Bazar and its surrounding area in GP Sundha Bonda in Tehsil Chirgaon Distt Shimla -(H.P.)

The Executive Engineer, JSV Division Rohru presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.58 MLD
2	Technology	SBR
3	Main Trunk	3.950 KM in DI pipe
4	Distribution Network	9.88 KM in DI pipe
5	Manhole Chamber	620 Nos
6	Designed House Hold Connections	631Nos
7	Designed Population	4674
8	Design Year	2053

The committee approved the project proposal in principal with Sequential Batch Reactor (SBR) Technology.



4. Providing Sewerage System to NAC Chopal in Distt. Shimla H.P.

The Executive Engineer, JSV Division Nerwa presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.60MLD
2	Technology	SBR
3	Main Trunk	3.47 KM in DI pipe
4	Distribution Network	6.22 KM in DI pipe of Dia 150mm
5	Manhole Chamber	438 Nos
6	Designed Population	3071
7	Design Year	2054

The committee approved the project proposal in principal with Sequential Batch Reactor (SBR) Technology.

Mandi Zone

1. Providing Sewerage scheme to Banjar Town in Tehsil Banjar Distt. Kullu H.P.

The Superintending Engineer, JSV Circle Kullu presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.00MLD
2	Technology	SBR (Sequential Batch Reactor)
3	Length of Sewer Line	9.21 KM in DI pipe
4	Manhole Chamber	340 Nos
5	Designed House Hold Connection	853 Nos
6	Designed Population	4995 (HH), 8475 (Institutional & Miscellaneous)
7	Design Year	2055

The committee approved the project proposal in principal with Sequential Batch Reactor (SBR) Technology.

2. Providing Sewerage Scheme to Hat, Bajaura Kalahli & its surrounding Area in Tehsil Bhuntar District Kullu H.P.

The Superintending Engineer, JSV Circle Kullu presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	3.80MLD

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2	Technology	MBBR+ Root Zone
3	Length of Sewer Line	29.61 KM in DI pipe
4	Manhole Chamber	1009 Nos
5	Design Year	2053

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Root Zone Technology.

3. Providing Sewerage System to Nagar Panchayat Ani and its adjoining areas in Tehsil Ani Distt Kullu (HP)

The Superintending Engineer, JSV Circle Kullu presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.00MLD
2	Technology	MBBR+ Root Zone
3	Length of Sewer Line	15 KM in DI pipe
4	Manhole Chamber	500 Nos
5	Designed Household Connections	900 Nos
6	Designed Population	4495 (HH), 3491 (Institutional) & 5723 (Miscellaneous)

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Root Zone Technology.

4. Providing Sewerage System to Nagar Panchayat Nirmand and its adjoining areas in Tehsil Nirmand Distt Kullu (HP).

The Superintending Engineer, JSV Circle Kullu presented the case as under:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.00MLD
2	Technology	MBBR+ Root Zone
3	Length of Sewer Line	18 KM in DI pipe
4	Designed Population	4875 (HH), 1456 (Institutional) & 4988(Miscellaneous)

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Root Zone Technology.

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Hamirpur Zone

1. DPR for Providing Sewerage Scheme to Neri, Sandhole, Datwar Sohar & Ghanala in Tehsil Sandhole, Distt Mandi HP.

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Root Zone Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.784 MLD
2	Technology	MBBR+ Root Zone
3	Length of Sewer Line	9.74 KM in DI pipe of Dia 150 mm
		9.74 KM in PVC pipe of Dia 150 mm
4	Designed Household Connections	100Nos

2. Providing Sewerage System to Kot, Rasso and Thana Area in Tehsil in Dharampur Distt. Mandi (HP).

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Root Zone Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 0.106 MLD
		Zone-II- 0.1 MLD
		Zone-III- 0.1 MLD
2	Technology	MBAR + Root Zone
3	Length of Sewer Line	Zone-I- 7.23 KM in DI, K-7 pipe of Dia 150 mm
		Zone-II- 8.316 KM in DI, K-7 pipe of Dia 150 mm
		Zone-III- 5.520 KM in DI, K-7 pipe of Dia 150 mm
4	Designed Household Connections	840 Nos

3. DPR for Sewerage System to Seoh, Khanoud and Proun, Tehsil Dharampur District Mandi (HP).

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Root Zone Technology with the following details:



Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 0.20 MLD Zone-II- 0.10MLD
2	Technology	MBAR+ Root Zone
3	Length of Sewer Line	12.794 KM in DI, K-7 pipe of Dia 150 mm
4	Manhole Chambers	469 Nos.
5	Designed Household Connections	220 Nos
6	Designed Year	2055

4. DPR for Sewerage System to Chowki, Rakhera and Riyur, Tehsil Dharampur District Mandi (HP).

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Root Zone Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 0.171 MLD Zone-II- 0.10 MLD Zone-III- 0.140 MLD
2	Technology	MBAR + Root Zone
3	Length of Sewer Line	Zone-I- 7.18 KM in DI, K-7 pipe of Dia 150 mm Zone-II- 3.747 KM in DI, K-7 pipe of Dia 150 mm Zone-III. 5.783 KM in DI, K-7 pipe of Dia 150 mm
4	Manhole Chambers	625 Nos.
5	Designed Household Connections	504 Nos
6	Designed Year	2055

5. Providing Sewerage System to Dharampur, Banwar, Richali and adjoining area in Tehsil Dharampur, Distt. Mandi HP.

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Root Zone Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 0.30 MLD

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		Zone-II- 0.20 MLD Zone-III- 0.10 MLD
2	Technology	MBAR + Root Zone
3	Length of Sewer Line	Zone-I- 6.738 KM in DI, K-7 pipe of Dia 150 mm Zone-II- 9.157 KM in DI, K-7 pipe of Dia 150 mm Zone-III 2.328 KM in DI, K-7 pipe of Dia 150 mm
4	Designed Household Connections	592 Nos
5	Designed Year	2055

Dharamshala Zone

1. Providing Sewerage Scheme in GP Mehla Tehsil & Distt. Chamba H.P.

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Tertiary treatment through Constructed Wetland Land Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 0.10 MLD Zone-II- 0.240 MLD
2	Technology	MBAR+ Constructed Wetland
3	Length of Sewer Line	Zone-I- 2.20 KM in DI, K-7 pipe of Dia 150 mm Zone-II- 4.352 KM in DI, K-7 pipe of Dia 150 mm
4	Designed Household Connections	270Nos

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Tertiary treatment through Constructed Wetland Land Technology.

2. Providing Sewerage Scheme Chhatrari in GP Chhatrari Tehsil & Distt. Chamba H.P.

The committee approved the project proposal in principal with Multi Baffled Anaerobic Reactor (MBAR) followed by Tertiary treatment through Constructed Wetland Land Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.150 MLD
2	Technology	MBAR+ Constructed Wetland
3	Length of Sewer Line	5.914 KM in DI, K-7 pipe of Dia 150 mm
4	Designed Household Connections	250 Nos

3. Providing Sewerage System to Udaipur Khas in GP Udaipur, Tehsil & Distt. Chamba H.P.

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Tertiary treatment through Constructed Wetland Land Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.480 MLD
2	Technology	MBBR+ Constructed Wetland
3	Length of Sewer Line	7.479 KM in DI, K-7 pipe of Dia 150 mm
4	Designed Household Connections	778Nos

4. Providing Sewerage Scheme to GP Sarol Tehsil & Distt. Chamba H.P.

The committee approved the project proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Tertiary treatment through Constructed Wetland Land Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone I-0.70 MLD Zone II-0.35MLD Zone I-0.65 MLD Zone I-0.15 MLD
2	Technology	MBBR+ Constructed Wetland

5. Augmentation and Up-gradation of Sewerage Scheme Dehra in Tehsil Dehra Distt. Kangra H.P.

The committee approved the project proposal in principal with Tertiary Treatment based on Constructed Wetland Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	3.80 MLD

2	Technology	Tertiary Treatment based on Root Zone
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6. Providing sewerage System to Gram Panchayat Baranda in Tehsil Nurpur Distt. Kangra H.P.

The Chairman directed the Chief Engineer (D/Z) to include the scheme in MLA Priority, thereafter resubmit the proposal for approval from the State Level Technical Committee.

7. Providing sewerage System to Jassur Khas area in Tehsil Nurpur Distt. Kangra H.P.

The Chairman directed the Chief Engineer (D/Z) to include the scheme in MLA Priority, thereafter resubmit the proposal for approval from the State Level Technical Committee.

8. Providing sewerage System to Gram Panchayat Suliyali and its adjoining area in Tehsil Nurpur Distt. Kangra H.P.

The Chairman directed the Chief Engineer (D/Z) to include the scheme in MLA Priority, thereafter resubmit the proposal for approval from the State Level Technical Committee.

9. Providing sewerage System to village Gangath, Rapper, Kharal etc in Tehsil Indora Distt. Kangra H.P.

The Chairman directed the Chief Engineer (D/Z) to include the scheme in MLA Priority, thereafter resubmit the proposal for approval from the State Level Technical Committee.

10. Providing sewerage System to village Indora, Channor, Kudsan etc. in Tehsil Indora Distt. Kangra H.P.

The Chairman directed the Chief Engineer (D/Z) to include the scheme in MLA Priority, thereafter resubmit the proposal for approval from the State Level Technical Committee.

Agenda Item No. 2-Additional Items:

1. Providing Sewerage System to Village Ribba in GP Ribba in Tehsil Moorang Distt. Kinnaur (H.P.)

The committee approved the proposal in principal with the condition that proposal be prepared with Biodigester Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	1.10 MLD
2	Length of Sewer Line	9.85 KM in DI, K-7 pipe of Dia 150 mm
3	Manhole Chamber	473 Nos.

4	Designed Household Connections	715Nos
5	Designed Population	3583
6	Designed Year	2053

2. Providing Sewerage System to Village Namgia in GP Namgia Tehsil Pooh, Distt. Kinnaur (H.P.)

The committee approved the proposal in principal with the condition that proposal be prepared with Biodigester Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	0.08 MLD
2	Length of Sewer Line	1.883 KM in DI, K-7 pipe
3	Manhole Chamber	195 Nos.
4	Designed Household Connections	110Nos
5	Designed Population	513 Person + 300 Floating
6	Designed Year	2053

3. Providing Sewerage System to Baijnath and Paprola Town in Tehsil Baijnath, Distt Kangra (H.P.)

The committee approved the proposal in principal with Moving Bed Biofilm Reactor (MBBR) followed by Tertiary treatment through Wetland Land Technology with the following details:

Sr. No.	Description	Capacity / Details
1	STP Capacity	Zone-I- 2.18 MLD Zone-II- 1.46 MLD
2	Technology	MBBR + Constructed Wetland

The above proposals approved are in principal with the conditions that CE/SE will ensure that all the guidelines of CPHEEO Manual, instructions issued by the higher offices from time to time, HPPCB and CPCB regulations are to be adhered while submitting/approving DPR. In addition, DPR should also be in agreement with the recommendation of the committee formed by Engineer-in-Chief HPIPH vide order No. IPH-STP,s/2016/1638-93 dated 08/02/2016 under the Chairmanship of CE(H/Z), which have been uploaded on the JSV's Website.

Meeting ended with the vote of thanks to and from the chair



LIST OF PARTICIPANTS

Sr. No.	Name of Officers	Designation
1	Er. Sunil Kanotra	Chief Engineer (DZ) through VC
2	Er. Anju Sharma	Chief Engineer (SZ)
3	Er. Anil Mehta	Superintending Engineer (P&I-1)
4	Er. Virender Thakur	Superintending Engineer Reckong Peo
5	Er. K.R. Kulvi	Superintending Engineer Kullu through VC
6	Er. Sumit Sood	Executive Engineer Reckong Peo through VC
7	Er. Ravinder Sharma	Executive Engineer Kullu II through VC
8	Er. Basant Singh Rathour	Executive Engineer Rohru
9	Er. Jitender Garg	Executive Engineer Nerwa
10	Er. Ajeet Negi	Executive Engineer Matiana
11	Er. Anil Jaswal	Executive Engineer D-1 (P&I-1)
12	Bishamber Bagga	Urban Development through VC