

**Additional Information**  
**Unstarred Assembly Question No. 101**

There are 03 dams proposed on River Ghaggar namely Dangrana dam, Dewanwala dam and Chhamla dam with Gross storage capacity as 2495.72 Ha-m, 4575.72 Ha-m and 342.93 Ha-m respectively. The cases of these 03 no. dams stands submitted to Ghaggar Standing Committee for clearance. Besides these 3 no. dams on Ghaggar, feasibility report regarding 3 dams on river Tangri or its tributaries namely Khetpurali Dam, B hud Dam and Dudhgarh Dam with storage capacity as 403.13 Ha-m, 794.90 Ha-m and 349.80 Ha-m respectively was also got conducted.

Further, 01 no. dam on River Kaushalya namely Kaushalya Dam with storage capacity as 1368.10 Ha-m has been successfully completed during the year 2011 at a cost of Rs. 217.00 Crore.

Also there is a proposal for construction of 08 no. dams on River Yamuna or its tributaries (out of which 06 no. dams are on River Pathrala and 02 no. dams are on River Somb) with total storage capacity as 2187.80 Ha-m, out of which the wildlife clearance for 04 no. dams has been approved from National Board of Wildlife and DPR of 02 no. dams are under preparation and case for interstate clearance of 02 no. dams stands submitted to CWC. The salient features/present status of all the above dams on river Ghaggar, Tangri and Yamuna & their tributaries is attached in tabular form (**Annexure-A**).

As far as construction of Check Dams is concerned, it is brought out that in the State construction of check dams is mainly taken up by Forest Department as well as Agriculture and Farmers Welfare Department. In Shivalik Hills, 28 No. check dams with storage capacity as 85.34 Ha-m stand constructed & 05 No. check dams with storage capacity 51.41 Ha-m are under construction. In Aravalli Hills, 15 No. check dams with storage capacity as 60.68 Ha-m stand constructed & 02 No. check dams with storage capacity as 84.56 Ha-m are under construction to conserve the water. The details of check Dams as received from Forest Department, Agriculture and Farmers Welfare Department and Irrigation and Water Resources Department are attached as **Annexure-B**.

### In Shivalik Hills

Sr. No.	Name of Deptt.	Year of Construction 2021-22		Year of Construction 2022-23	
		No.	Storage Capacity (Ha-m)	No.	Storage Capacity (Ha-m)
1.	Forest Deptt.	17	54.24	5 (Under Const.)	51.41
2.	Agriculture & Farmers Welfare Deptt.	02	9.80	09	21.3
	<b>Total</b>	<b>19</b>	<b>64.04</b>	<b>14</b>	<b>72.71</b>

### In Aravalli Hills

Sr. No.	Name of Deptt.	Year of Construction 2021-22		Year of Construction 2022-23	
		No.	Storage Capacity (Ha-m)	No.	Storage Capacity (Ha-m)
1.	Forest Deptt.	04	19.29	-	-
2.	Agriculture & Farmers Welfare Deptt.	02	3.40	04	6.40
3.	Irrigation & Water Resources Department, Haryana	02	30.40	03 + 02 (under const.)	1.19 + 84.56
	<b>Total</b>	<b>08</b>	<b>53.09</b>	<b>09</b>	<b>92.15</b>

**अतिरिक्त सूचना**  
**विधानसभा अतारांकित प्रश्न संख्या 101**

घग्घर नदी पर 03 बांध प्रस्तावित हैं, जिनके नाम हैं डंगराना बांध, दीवानवाला बांध और छमला बांध, जिनकी कुल भंडारण क्षमता क्रमशः 2495.72 हेक्टेयर मीटर, 4575.72 हेक्टेयर मीटर और 342.93 हेक्टेयर मीटर है। इन 03 बांधों के केस को मंजूरी के लिए घग्घर स्थायी समिति को प्रस्तुत किया जा चुका है। घग्घर नदी पर इन 3 बांधों के अलावा, टांगरी नदी या उसकी सहायक नदियों पर 3 बांधों यानी खेतपुराली बांध, बुध बांध और दूधगढ़ बांध, जिनकी भंडारण क्षमता क्रमशः 403.13 हेक्टेयर मीटर, 794.90 हेक्टेयर मीटर और 349.80 हेक्टेयर मीटर है, के संबंध में व्यवहार्यता रिपोर्ट भी बनवाई गई थी।

इसके अलावा, कौशल्या नदी पर 1368.10 हेक्टेयर मीटर की भंडारण क्षमता वाला एक बांध यानी कौशल्या बांध है, जिसको वर्ष 2011 के दौरान, 217.00 करोड़ रुपये की लागत से सफलतापूर्वक बनाया जा चुका है।

साथ ही यमुना नदी या इसकी सहायक नदियों पर 08 बांधों के निर्माण का कार्य भी प्रस्तावित है, (जिनमें से 06 बांध पथराला नदी पर हैं और 02 बांध सोम नदी पर हैं), जिनकी कुल भंडारण क्षमता 2187.80 हेक्टेयर मीटर है, जिसमें से 04 बांधों के लिए वन्यजीव मंजूरी (wildlife clearance) को राष्ट्रीय वन्यजीव बोर्ड से अनुमोदित किया जा चुका है और 02 बांधों की विस्तृत रिपोर्ट तैयार की जा रही हैं और अन्य 02 बांधों की अंतर्राज्यीय निकासी का मामला सीडब्ल्यूसी को सौंपा जा चुका है। घग्घर, टांगरी और यमुना तथा इनकी सहायक नदियों पर उपरोक्त सभी बांधों की मुख्य विशेषताएं/वर्तमान स्थिति सारणीबद्ध रूप में **Annexure-A** पर संलग्न है।

जहां तक चैक बांध के निर्माण का संबंध है, यह बताया जाता है कि राज्य में चैक बांध का निर्माण मुख्य रूप से वन विभाग के साथ-साथ कृषि और किसान कल्याण विभाग द्वारा किया जाता है। जलसंरक्षण हेतु शिवालिक पहाड़ियों में 85.34 हेक्टेयर मीटर की भंडारण क्षमता वाले 28 चैक बांध बनाये गए हैं और 51.41 हेक्टेयर मीटर की भंडारण क्षमता वाले 05 चैक बांध निर्माणाधीन हैं। अरावली पहाड़ियों में 60.68 हेक्टेयर मीटर की भंडारण क्षमता वाले 15 चैक बांध बनाये गए हैं और 84.56 हेक्टेयर मीटर की भंडारण क्षमता वाले 02 चैक बांध निर्माणाधीन हैं। वन विभाग, कृषि एवं किसान कल्याण विभाग तथा सिंचाई एवं जल संसाधन विभाग से प्राप्त चैक बांध का विवरण **Annexure-B** पर संलग्न है।

### In Shivalik Hills

Sr. No.	Name of Deptt.	Year of Construction 2021-22		Year of Construction 2022-23	
		No.	Storage Capacity (Ha-m)	No.	Storage Capacity (Ha-m)
1.	Forest Deptt.	17	54.24	5 (Under Const.)	51.41
2.	Agriculture & Farmers Welfare Deptt.	02	9.80	09	21.3
	<b>Total</b>	<b>19</b>	<b>64.04</b>	<b>14</b>	<b>72.71</b>

### In Aravalli Hills

Sr. No.	Name of Deptt.	Year of Construction 2021-22		Year of Construction 2022-23	
		No.	Storage Capacity (Ha-m)	No.	Storage Capacity (Ha-m)
1.	Forest Deptt.	04	19.29	-	-
2.	Agriculture & Farmers Welfare Deptt.	02	3.40	04	6.40
3.	Irrigation & Water Resources Department, Haryana	02	30.40	03 + 02 (under const.)	1.19 + 84.56
	<b>Total</b>	<b>08</b>	<b>53.09</b>	<b>09</b>	<b>92.15</b>

**SALIENT FEATURES OF 8 NO. DAMS PROPOSED IN LOWER SHIVALIK HILLS IN RESPECT OF YWS (N) UNIT**

Sr. No.	Description	Chiken Dam	Kansli Dam	Ambawali Dam	Nagli Dam	Khillanwalla Dam	Darpur Dam	Lohgarh Dam	Dhanaura Dam
1.	<b>Location</b>	ChikanKhol (tributary of PathralaNadi) Tehsil– Chhachhrauli Distt. – Yamuna nagar	Kansli ki khol (Tributary ofPathralaNadi). Tehsil – chhachhrauli Distt. – Yamuna nagar	Tributary of PathralaNadi. Tehsil – chhachhrauli Distt. – Yamunanagar	Nagli ki Khol (tributary of PathralaNadi) Tehsil – chhachhrauli Distt.- Yamuna nagar	Tributary of PathralaNadi. Tehsil – chhachhrauli Distt. –Yamuna nagar	Palasikhoh (tributary of PathralaNadi) Tehsil-chhachhrauli Distt.- Yamuna nagar	Lohgarh Ki Khol (Tributary of Somb river)	Dhanaura Ki Khol (Tributary of Somb river)
2.	<b>State</b>	Haryana	Haryana	Haryana	Haryana	Haryana	Haryana	Haryana& Himachal Pradesh	Haryana&Himachal Pradesh
3.	<b>Executive Agency</b>	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt	Haryana Irrigation & Water Resources Deptt
4.	<b>Share of Haryana</b>	100%	100%	100%	100%	100%	100%	100%	100%
5.	<b>Type of Dam (Height of Dam)</b>	Earthen Dam 25.90 m	Earthen Dam 22.30 m	Earthen Dam 23.15 m	Earthen Dam 34.00 m from deepest bed level of 354.00 m	Earthen Dam 20.50 m from deepest bed level of 337.50 m	Earthen Dam 17.25 m from deepest bed level of 348.00 m	Earthen Dam (30.05 m)	Earthen Dam (21.0 m)
6.	<b>Reservoir Area at FTL</b>	15.26 Hectare	18.75 Hectare	36.12 Hectare	31.247 Hectare	54.32 Hectare	31.08 Hectare	35.883 Hectare	61.64 Hectare
7	<b>Storage Capacity</b>	1.29 MCM	1.45 MCM	2.998 MCM	3.15 MCM	3.35 MCM	1.74 MCM	3.47 MCM	4.43 MCM
8	<b>Catchment area</b>	3.00 sq. km	3.66 sq.km	7.43 sq.km	8.25 sq.km	7.17 sq.km	4.72 sq.km	14.80 Sq. km	36.12 Sq. km.
9	<b>Power Installed Capacity</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
10	<b>Irrigation Benefits</b>	1000 Acres CCA	1311 Acres CCA	2233Acres CCA	1530 acres CCA	3200 acres CCA	1500 acres CCA	6708 Acres CCA	6708 Acres CCA
11	<b>Village abadi affected</b>	Nil	Nil	Nil	Nil	Nil	Nil	Nil	800 persons of village Haripur

Sr. No.	Description	Chiken Dam	Kansli Dam	Ambawali Dam	Nagli Dam	Khillanwalla Dam	Darpur Dam	Lohgarh Dam	Dhanaura Dam
12	<b>No of villages to be served</b>	1 Chiken 2 Shahzad wala, 3 Muquribpur 4 Daulatpur 5 Dhakwala 6 Kot Sarkari 7 Kot 8 Mushtarka	1 Kansli 2 Baniawala, 3 Khilanwala 4 Meghwa 5 Nathanpur, 6 Tibbi 7 Thon 8 Balahaipur, 9 Bhangera	1 Ambawali 2 Tibriyon 3 NagalPatti 4 Milak, 5 Chandanpur, 6 Khizri, 7 Bagpat, 8 Bhangeri, 9 Lahasabad, 10 Tamiuo, 11 Kishanpur, 12 Khizrabad, 13 Muzfatkalan	1 Nagli 2 Sanderpur 3 Ganrabani 4 Rajpur 5 Rampur 6 JatChabutaran 7 Pirthipur 8 Tarpur 9 Bir-Tarpur 10 Haidarpur 11 Jaitpur 12 Mehran.	1) Bagpat 2) Bhangeri 3) Bhangera 4) Muzafat Khurd 5) Bari Muzafat 6) Bakarwala 7) Muhabatwala 8) Lahasabad 9) Hafizpur	1 Darpur 2 Jatanwala 3 Sipianwala 4 Chuharpur 5 Shahabuddinpur Kalan 6 Shahabuddinpur Khurd 7 Muqaribpur	1 Bahadurpur 2 Gadwan 3 AlisherpurMajra 4 Ramgarh 5 Chholi 6 Katarwall 7 Jogiwara 8 Manakpur 9 Bari Lalhari 10 ChhotiLalhari 11 Bankat 12 Chantpur 13 Manipur 14 Khanuwala 15 Tugalpur 16 BarauliMajra 17 Arjan Majra 18 KotBasawar Singh 19 KotMushtarka 20 Ghisarpari	
13.	<b>Water supply for 162 days</b>	2.40 cusecs	3.15 cusecs	5.36 cusecs	9.61 cusecs	7.68 cusecs	4.893 cusecs		
14.	<b>Forest land as per Feasibility Report</b>	27.31 Ha	23.26 Ha	60.57 Ha	31.36 Ha	57.061 Ha	27.31 Ha		
15.	<b>Forest land and Status of DPR</b>	DPR Received 25.90 Ha	DPR Received 22.90 Ha	DPR Received 43.57 Ha	DPR received & under examination	DPR received 40.56 Ha	DPR received & under examination		
16	<b>Benefit Cost Ratio</b>	1.008:1	1.002:1	1.004 :1	1.06:1	2.23:1	0.96:1	0.93:1	0.97:1
17.	<b>Latitude (N) Longitude (E)</b>	30 <sup>0</sup> 22'50" 77 <sup>0</sup> 29'22.50"	30 <sup>0</sup> 21'40.65" 77 <sup>0</sup> 25'6.48"	30 <sup>0</sup> 19'45" 77 <sup>0</sup> 31'36"	30 <sup>0</sup> 24'44" 77 <sup>0</sup> 24'44"	30 <sup>0</sup> 20'46" 70 <sup>0</sup> 29'30"	30 <sup>0</sup> 23'11 77 <sup>0</sup> 27'16"	30 <sup>0</sup> 25'09" 77 <sup>0</sup> 24'09"	30 <sup>0</sup> 27'00" 77 <sup>0</sup> 23'00"

Sr. No.	Description	Chiken Dam	Kansli Dam	Ambawali Dam	Nagli Dam	Khillanwalla Dam	Darpur Dam	Lohgarh Dam	Dhanaura Dam
18.	Estimated Cost	1997.05 lacs	1867.40 lacs	3204.88 lacs	3066.00 lacs	2910.00 lacs	2285.00 lacs		
	<b>CLEARANCE STATUS</b>								
19.	Techno Economic appraisal by CWC	Not required	Not required	Not required	Not required	Not required	Not required	Reservoir of dam lie in Himachal Pradesh, therefore in principle concurrence of HP is required to proceed further in matter. But before that being interstate project the pre-feasibility report is required to be examined regarding technical point of view from CWC. The case was uploaded in e-PAMS portal of CWC, Chandigarh. Now CWC, Chandigarh has informed that being interstate project the matter would be taken up with UYRB, New Delhi	Reservoir of dam lie in HP therefore in principle concurrence of HP is required to proceed further in matter. But before that being interstate project the pre-feasibility report is required to be examined regarding technical point of view from CWC. The case was uploaded in e-PAMS portal of CWC, Chandigarh. Now CWC, CHD has informed that being interstate project the matter would be taken up with UYRB, New Delhi
20.	Techno Economic appraisal by CEA	Not required	Not required	Not required	Not required	Not required	Not required		
21.	Environment Clearance	Not required	Not required	Not required	Not required	Not required	Not required		
22.	Forest & wildlife clearance	Case approved from National Board of Wild Life (NBWL).	Case approved from National Board of Wild Life (NBWL).	Case approved from National Board of Wild Life (NBWL).	Dam axis of Nagli dam submerges forest chownki and some other households. Dam axis is to be shifted uphill for which work is under process with IIT, Roorkee. Afresh proposal will be supplied for forest & wildlife clearance accordingly.	Case approved from National Board of Wild Life (NBWL).	Proposed dam involves rehabilitation and resettlement of families; hence case will be applied, once R&R Plan is prepared for which the case is under process with IIT, Roorkee.		
23.	Investment Clearance	State Funds required	State Funds required	State Funds required	State Funds required	State Funds required	State Funds required		
24.	Interstate Clearance	Not required	Not required	Not required	Not required	Not required	Not required	Case submitted to CWC for interstate clearance	Case submitted to CWC for interstate clearance
25.	Current Status	Case approved from National Board of Wild Life (NBWL). KML file yet to be prepared.	Case approved from National Board of Wild Life (NBWL). KML file to be submitted by DFO Rewari.	Case approved from National Board of Wild Life (NBWL). KML file to be submitted by DFO Rewari.	DPR under scrutiny.	Case approved from National Board of Wild Life (NBWL). KML file to be submitted by DFO Rewari.	DPR under scrutiny.	Case submitted to CWC for interstate clearance	Case submitted to CWC for interstate clearance

**IDENTIFIED DAMS ON RIVER GHAGGAR , TANGRI AND THEIR TRIBUTARIES IN DISTRICT PANCHKULA**

Dams	River	Location/ area benefitted	Live storage	Gross storage	Catchment Area	Top Width/Height/Length of dam	Availability of water	Size of reservoir	Approximate Cost	Total Land required (In acres)	Benefits	CCA (acres)/Villages benefitted	Remarks
Kaushalya Dam	Kaushalya	Pinjore/ Panchkula District.	1293.00 Ha M	1368.10 Ha M	77.00 Sqkm.	30/34.00/1435 m	18.4 Cs Non Monsoon/40.3 Cs Monsoon	106.00 Ha	Rs.217.00 Cr.	296 acres	Drinking water Pkl. Ground water recharge.	NIL	<b>Completed and supplying 18 Cusecs water to HUDA, Panchkula since Feb, 2013 or required water as per demand of HUDA.</b>
Dangrana Dam	Ghaggar	Near Village Dangrana/ Morni Block.	2146.26 Ha M	2495.72 Ha M	121.00 Sqkm.	6.0/86.00/ (B-550, T-870) m	34.10 Cs (1-10 years) /23.40 Cusecs (51-60 years)	96.01 Ha	Rs.63.69 Cr. in 2005 and now Rs.238.01 Cr in June 2017.	143 acres	Water supply Morni Block, Irrigation, Flood & fisheries, To harness more water as capacity of Diwanwala dam not sufficient	NIL/4 No.	Considered in 19 <sup>th</sup> meeting of GSC held on 11/07/2006 but not cleared for want of decision on Water Sharing Formula amongst basin states. Discussed in 28 <sup>th</sup> meeting of GSC on 01.03.2019 and it was decided that decision will be taken after Mathematical Model studies by CWPRS Pune of entire Ghaggar basin and that issue regarding sharing of Ghaggar waters be resolved bilaterally by Punjab and Haryana. The Mathematical Model Studies final report by CWPRS Pune is in process whereas there is no progress on sharing of Ghaggar waters with Punjab .
Panchkula Multipurpose (Dewanwala Dam)	Ghaggar	Near Village Dewanwala/ Pinjore Block.	4213.22 Ha M	4575.72 Ha M	238.00 Sqkm.	6.00/61.00/ (B-550, T-870) m	96.2 (1-10 yrs)/84.10 Cs (51-60 Yrs)	282.80 Ha	Rs.132.70 Cr. in 2005 and now Rs.643.05 Cr in 2017.	670 acres	Water supply Pkl/Pinjore, Irrigation, Flood & fisheries	NIL/ 3 No.	-do- Tentative Date of start- 01.02.2024 and Date of Completion- 31.01.2026
Chhamla Dam	Ghaggar	Near Village Chhamla/ Morni Block.	218.45 Ha M	342.93 Ha M	94.50 Sqkm.	6.0m/33.00 m/ (B-50, T-407 m)	16.09/8.31/3.84 Cusecs  16 July-30 Sept./ 1st Oct-31st Jan/1st Feb-15 July.	31.60 Ha	Rs.20.41 Cr. in 2006 and now Rs.67.83 Cr in June 2017	238 acre ( 30 acre to be acquired, remaining Govt. Land)	Water supply Morni Block, Irrigation, Flood & fisheries	Few/2 No.	-do- Tentative Date of start- 01.02.2024 and Date of Completion- 31.01.2026
Khetpurali Dam	Kadyani Nadi (Tributary of)	Near Village Khetpurali/ Barwala Block.	364.39 Ha-M to 132.81 Ha-M	403.13 Ha M	10.81 Sqkm.	6.0m/38.80 m/525.00	6.01 Cs/ 17.01 Cs (1-10 yrs) and 1.05/21.90 Cs (91-	37.751 Ha upto FRL	Rs.43.90 Cr In 2018	113 acre. (4.5 acre Pvt land and remaining	Irrigation, Recharging, Tourism, Flood	10780 acre combined with	The project feasibility report given by WAPCOS and approval accorded by Govt vide No 2/28/2021-1IW dt 22.09.21. The project submitted to CWC for interstate clearance. After



	Tangri)		(91-100 years)				100 yrs) 1st Nov-31st May/ 1st June-30th Oct.			Forest)	control	Dudhgarh Dam	Interstate clearance DPR will be prepared and further clearances taken. The tentative date of start of work will be 01.01.2025 and completion will be 31.12.2027. CE/CWC along with his team visited site on 15.02.2022 regarding the project as it is with CWC.
Bhud Dam	Tangri (Ponta and Tallanwali nadi)	Near Village Bhud/ Barwala Block.	736.845 Ha-M 212.660 Ha.M (91-100 years)	794.901 Ha M	23.60 Sqkm.	6.0m/33.55 m/1151.00 m	18.38 Cs/ 27.52 Cs (1-10 yrs) and 4.14/19.81 Cs (91-100 yrs)  1st Nov-31st May/ 1st June-30th Oct.	67.91 Ha upto FRL	Rs.107.75 Cr.  In 2018.  (B.C. Ratio 0.86:1)	209 acre (25.50 acre to be acquired, rest is Forest land)	Irrigation, Recharging, Tourism, Flood control	9525 acre/21 No.	The project feasibility report given by WAPCOS and approved by Govt. The same stands submitted to CWC for interstate clearance on 30.04.2021. After Interstate clearance DPR will be prepared and further clearances taken. The tentative date of start of work will be 31.07.2024 and completion will be 30.06.2027. CE/CWC along with his team visited site on 15.02.2022 regarding the project as it is with CWC.
Dudhgarh Dam	Kadyani Nadi (Tributary of Tangri)	Near Village Dudhgarh.	321.945 Ha M  128.18 Ha M (91-100 Yrs)	349.804 Ha M	8.90 SqKm	6.0m/33.00/370.00 m	8.32 Cs/8.86 Cs (1-10 yrs) and 3.17/4.20 Cs (91-100 yrs)  1st Nov-31st May/ 1st June-30th Oct.	32.626 Ha upto FRL	Rs. 47.00 Cr in 2018.  (B.C. Ratio 0.86:1)	113 acre (4.50 acre to be acquired, rest is Forest land.	Irrigation, Recharging, Tourism, Flood control	8176 acre acre (combined with Khetpurali Dam)	The project feasibility report given by WAPCOS and approval accorded by Govt vide No 2/29/2021-1IW dt 22.09.21. The project submitted to CWC for interstate clearance. After Interstate clearance DPR will be prepared and further clearances taken. The tentative date of start of work will be 01.01.2025 and completion will be 31.12.2027. CE/CWC along with his team visited site on 15.02.2022 regarding the project as it is with CWC.

**DETAIL OF CHECK DAMS AGRICULTURE DEPARTMENT****A) Detail of Dams constructed/ under construction at Shivalik Hills Area**

Sr. No.	Year	District	Village	No. of Check dams (in no.)	Capacity to conserve water (Ha-m)
1.	2021-22	Ambala	Pharouli	01	4.8
2.			Korwakhurd	01	5.0
<b>Total</b>				<b>02</b>	<b>9.8</b>
3.	2022-23	Ambala	Govindpur	01	3.5
4.			Sontli	01	4.8
5.			Sabhapur	01	5.1
6.			Chajju Majra	01	3.7
7.			Sabhapur	01	3.7
8.		Yamunanagar	Taharpur Kalan	03	0.4
9.			Pammuwala	01	0.1
<b>Total</b>				<b>09</b>	<b>21.30</b>
<b>Grand Total</b>				<b>11</b>	<b>31.10</b>

**B) Detail of Dams constructed/ under construction at Aravalli Hills Area**

Sr. No.	Year	District	Village	No. of Check dams (in no.)	Capacity to conserve water (Ha-m)
1.	2021-22	Gurugram	Hariya-Heda	02	3.4
<b>Total</b>				<b>02</b>	<b>3.4</b>
2.	2022-23	Gurugram	Sehjawas	01	1.6
3.			Behalpa	01	1.7
4.			Kherki	02	3.1
<b>Total</b>				<b>04</b>	<b>6.4</b>
<b>Grand Total</b>				<b>06</b>	<b>9.80</b>

<b>Irrigation and Water Resources Department Haryana (Aravalli Hills)</b>				
Sr. No.	Name of Work/SITE	Year	Storage Capacity (Ha-m.)	Status
1	Providing stone pitching & constructing spill way at various villages i.e. Bamanwas, Alipur, Musnoota and Nangal Kalia Bunds in Nangal Chaudhary Area	2021-22	13.70	Completed
2	Providing stone pitching & constructing spill way at various villages i.e. Meghot Hala, Bayal, Golwa and Jainpur Bunds in Nangal Chaudhary Area	2021-22	16.70	Completed
<b>Total</b>			<b>30.40</b>	

3	Providing stone pitching and constructing spillway for conservation of surface runoff at Nayan 1 and 2 village bunds in Nangal Choudhary Area under Atal Bhujal Yojana.	2022-23	0.48	Completed
4	Providing stone pitching and constructing spillway for conservation of surface runoff at Niyamatpur village bund in Nangal Choudhary Area under Atal Bhujal Yojana.	2022-23	0.29	Completed
5	Providing stone pitching and constructing spillway for conservation of surface runoff at Lujota village bund in Nangal Choudhary Area under Atal Bhujal Yojana.	2022-23	0.42	Completed
6	Providing stone pitching and constructing spillway for conservation of surface runoff at Musnota 1 & 2 village bunds in Nangal Choudhary Area under Atal Bhujal Yojana	2022-23	0.56	Work in progress
7	Constructing of Check Dam in Hilly area of village-Musnota in Nangal choudhary area	2022-23	84.00	Work in progress
<b>Total</b>			<b>85.75</b>	
<b>Grand Total</b>			<b>116.15</b>	

#### LIST OF CHECK DAMS FOREST DEPTT (SHIVALIK HILLS)

Sr. No.	Name of Division/ District	Year of construction	Name of Site	Category	Storage capacity (Ha-m)
1	Panchkula/Morni-Pinjore	2021-22	Maggu Wala Khala	Earthen	5.59
2		2021-22	RCC Darara, Chapoli	RCC Dam	2
3		2021-22	WHS Darara	WHS Dam	2
4		2021-22	WHS Hathiya	WHS Dam	3
5		2021-22	Chillan Wala Choe	Bolder Masnory with RCC	0.76
6		2021-22	Jyanti Mata Choe	Bolder Masnory with RCC	0.24
7		2021-22	Sukha Khala, C-108, Chandi	Bolder Masnory with RCC	3.45
8		2021-22	Alongi Wala Choe R-70/C-5	RCC WHS	2.19
9		2021-22	Nichla Wala Choe R-70/C-5	RCC WHS	2.6
10		2021-22	Belwala Choe C-97	Earthen WHS	11.01
11		2021-22	Jhodiwala Choe Assrewali PF	Earthen WHS	6.06
12		2021-22	DAV School Wala Choe	RCC Dam	0.3
13		2021-22	Langa Wala Choe	WHS Dam	6.74
14		2021-22	Bhagindi Wala Choe	WHS Dam	7.3
15	Yamunagar	2021-22	Kathgarh PF	Dry Stone Check Dam	NA
16		2021-22	Dhanaura Sector 4	Dry Stone Check Dam	NA
17		2021-22	Dungekhala Salempur Kohi	Silt Detention dam	1
			<b>Total</b>		<b>54.24</b>
<b>Under Construction</b>					
1		2022-23	DP-235 C-2	Stone Masonry with RCC WHS	8

2	Panchkula/Morni-Pinjore	2022-23	Devi wala Choe R-71 C-8	WHS Dam	11.05
3		2022-23	Chamer Choe DP-235	Cement Stone Masonry Dam	6.74
4		2022-23	Nada Wala Choe R-70 C-5	WHS Dam	8.6
5		2022-23	C-47 C-50 Khare ka Khala	WHS Dam	17.02
			<b>Total</b>		<b>51.41</b>

**LIST OF CHECK DAMS FOREST DEPTT (ARAVALLI HILLS)**

<b>Sr. No.</b>	<b>Name of Division/ District</b>	<b>Year of construction</b>	<b>Name of Site</b>	<b>Category</b>	<b>Storage capacity (Ha-m)</b>
1	Gurugram	2021-22	Gurugram	Ghata Cement Structure	NA
2		2021-22	Gurugram	Ghata Cement Structure	NA
3		2021-22	Gurugram	Ghata Cement Structure	NA
4		2021-22	Sohna Range	Mandawar WHS	19.29 Ha- m
			<b>Total</b>		<b>19.29</b>