

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:33 PM User Name : SPMU_Haryana_6

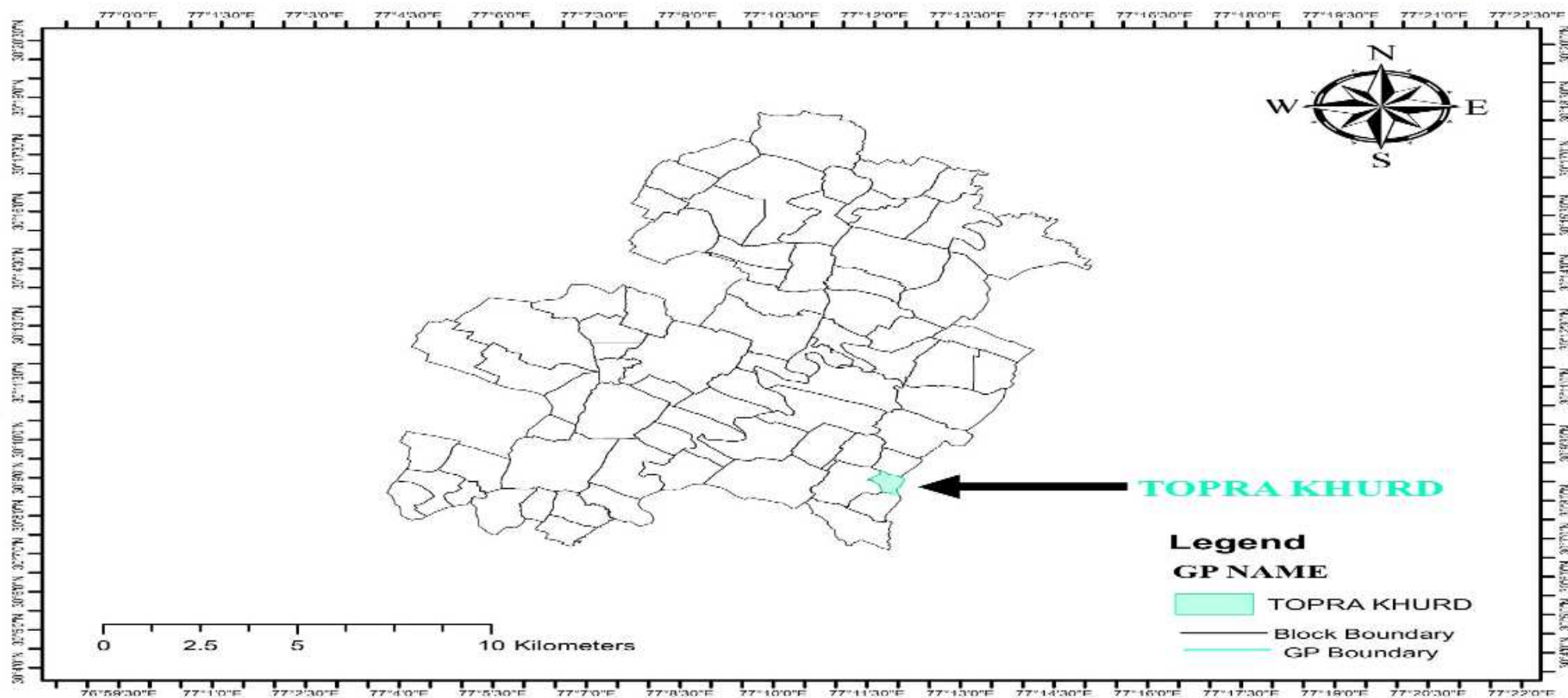
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: TOPRA KHURD_33477 » YEAR: 2024-25 »

Gram Panchayat Information

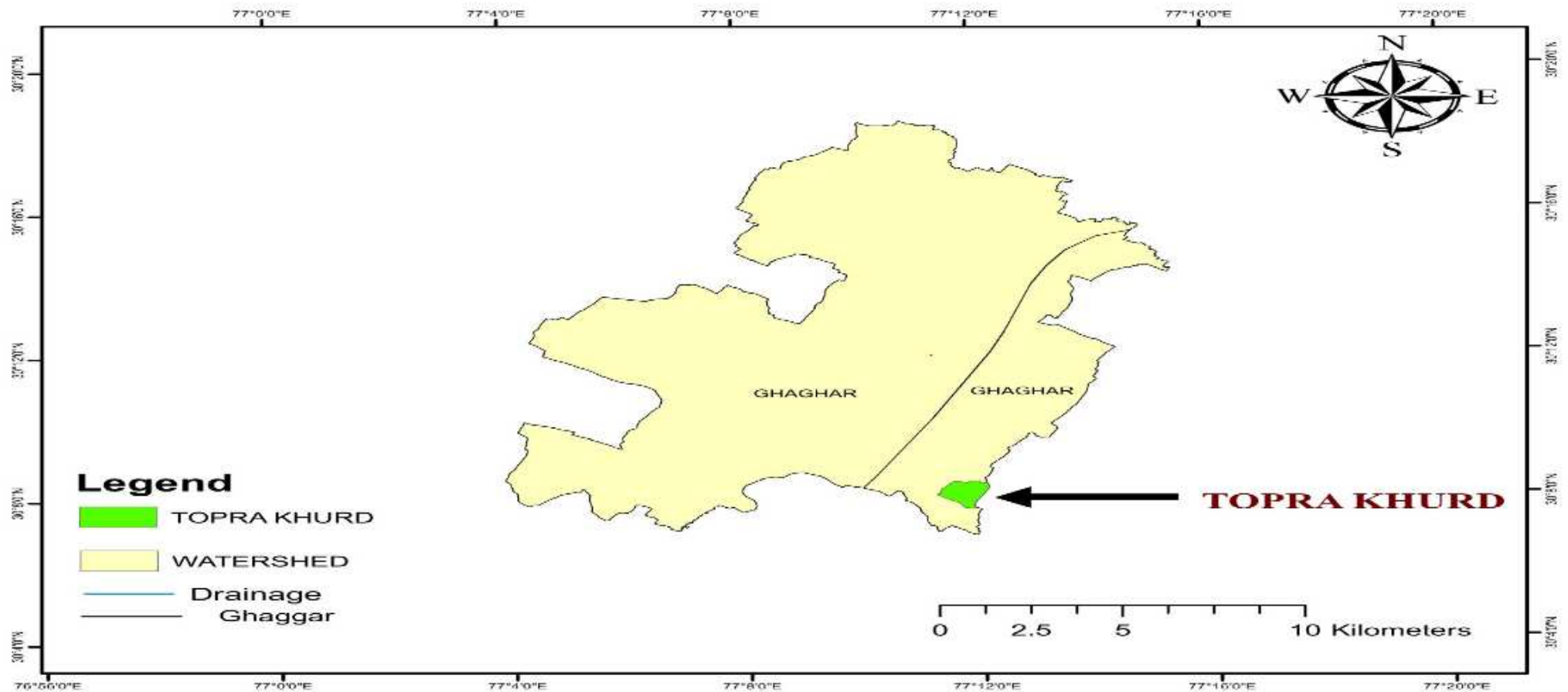
State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Topra Khurd_33477
GP ID :	33477	Block Area (Ha) :	20267.2000
GP area (Ha) :	123.7000	Watershed Code :	CHNG001
Watershed name :	CHOUTANG NADI	Watershed area in Block / Taluk (Ha) :	286446.27
Sub-basin Code :	1	Sub basin name :	Chautang and Others
Basin Code :	11	Basin Name :	Ghaghar

Location Map

Location Map : GP Topra Khurd, Block Saraswati Nagar, District Yamunanagar

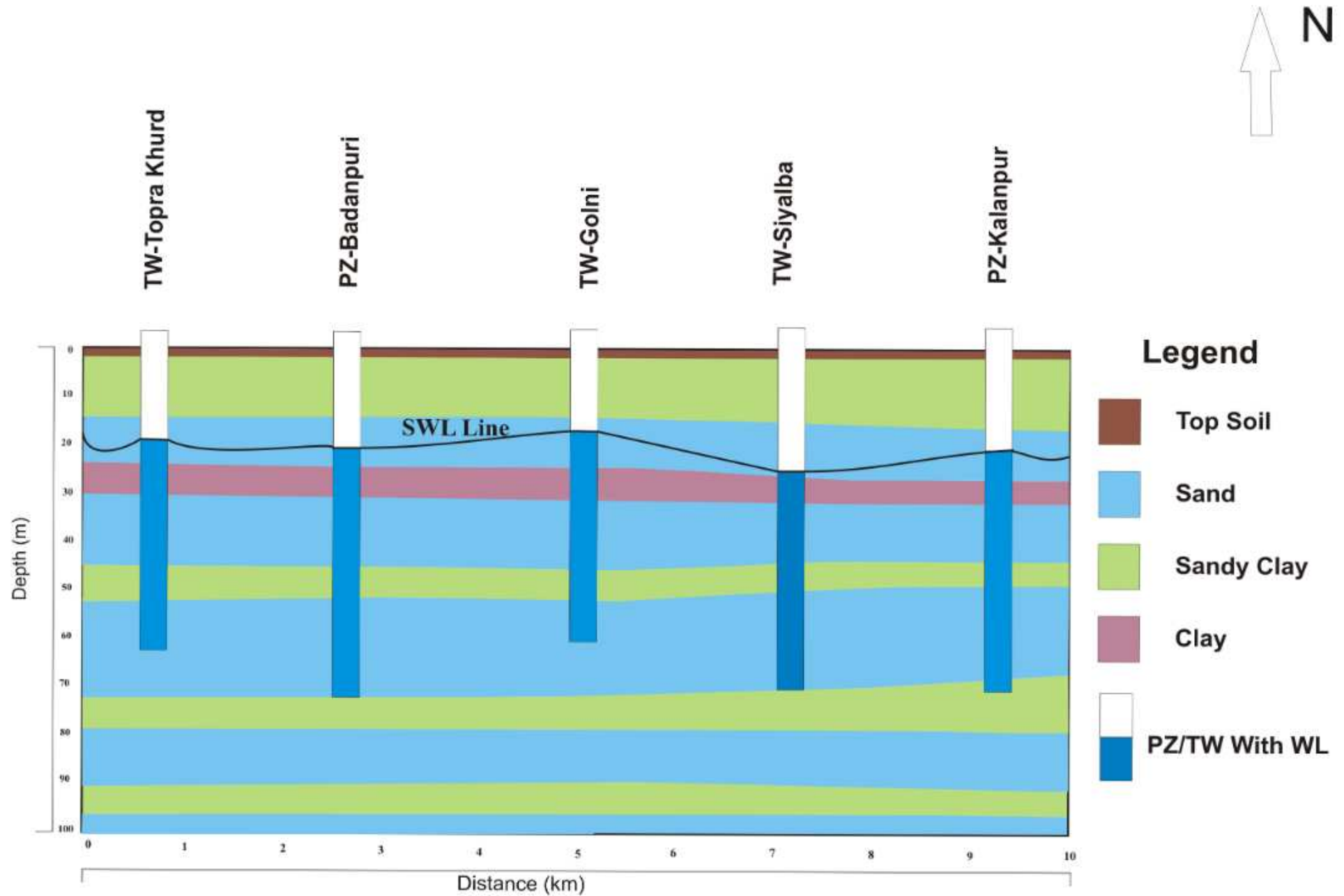


Watershed & Drainage Map : GP Topra Khurd, Block Saraswati Nagar, District Yamunanagar



Aquifer Map

Aquifer Map of Topra Khurd, Badanpuri, Golni , Siyalba, Kalanpur of Saraswati Nagar block of district Yamunanagar



Ground Water Level

S.No.	Site Name	Location Details	Latitude	Longitude	Date	Well ID	Type of Well	Other Well Type	Ownership Type	Government Source	Diameter of well(m)	Depth of Well(mbmp)	Height of Measuring Point (mbgl)	Water Level (mbgl)	Water Level Date
1	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	20.26	2024-02-16
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	20.30	2024-01-11
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	20.27	2023-12-23
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	21.13	2023-11-30
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	22.59	2023-10-30
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	22.68	2023-09-30
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	22.10	2023-08-31
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	22.6	2023-07-30
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	25.1	2023-06-30
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	23.27	2023-05-29

S.No.	Site Name	Location Details	Latitude	Longitude	Date	Well ID	Type of Well	Other Well Type	Ownership Type	Government Source	Diameter of well(m)	Depth of Well(mbmp)	Height of Measuring Point (mbgl)	Water Level (mbgl)	Water Level Date
	Topra khurd	Near shamshan ghat	30.13183	77.19241	2023-04-13	033477-001	Tube Well		Government	SGWB	0.20	30.48	0.50	23.01	2023-04-13
2	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	20.24	2024-02-16
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	20.28	2024-01-18
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	20.38	2023-12-02
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	22.68	2023-10-29
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	22.57	2023-09-29
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	22.45	2023-08-29
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	22.52	2023-07-29
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	24.23	2023-06-29
	Toprakhurd	Near cemetery	30.13312	77.18874	2023-05-22	033477-002	Tube Well		Private		0.25	76.20	0.70	23.3	2023-05-22

Ground Water Quality

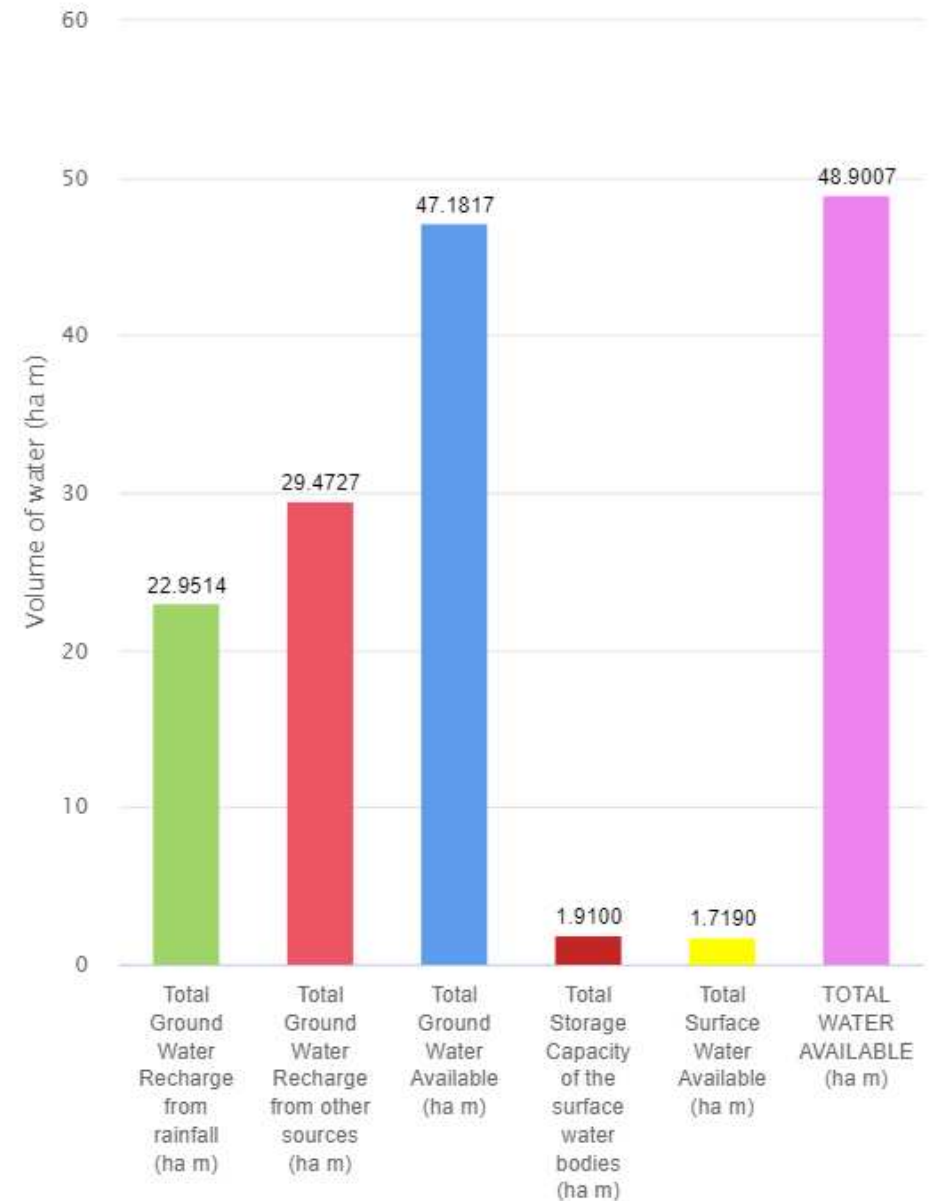
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Topra Khurd	Topra Khurd	30.139812	77.200119	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Topra khurd _001

S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (μS/cm)	TDS (mg/L)	TH (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	Carbo nate (mg/L)	Bicar bonate (mg/L)	Sulph ate (mg/L)	Chlor ide (mg/L)	Fluo ride (mg/L)	Nitr ate (mg/L)
1	ABY_YMR_S NAGAR_Topra khurd _001	46	UNCONFINED	7.5	623	382	162	29	21.7	15	1	0	224	21.5	82	0.59	7.5

Water Availability Report

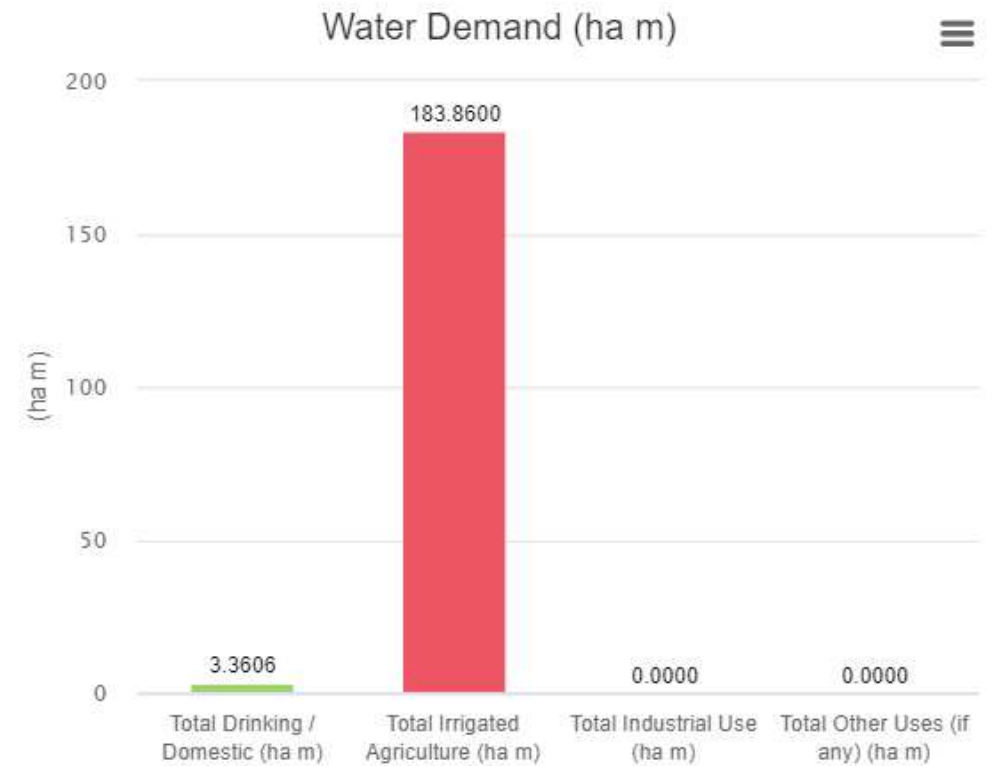
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	220.8960
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	55.6341
e.	Estimated Water Available From Rainfall (ha m)	165.2619
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	49.5786
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	18.4024
(ii)	Non-Monsoon	4.5490
	Total Ground Water Recharge from rainfall (ha m)	22.9514
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	17.0609
(ii)	Non-Monsoon	12.4118
	Total Ground Water Recharge from other sources (ha m)	29.4727
c.	Losses Due to Natural Discharge (ha m)	
	Total Ground Water Available (ha m)	47.1817
d.	Ground Water Withdrawal (ha m)	
		95.1376
3.	Surface Water	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structure	No. of Structures	Storage Capacity (ha m)
Ponds	4	1.91
	Total Storage Capacity of the surface water bodies (ha m)	1.9100
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	
		1.7190
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	1.7190
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	48.9007

Water Availability (ha m)



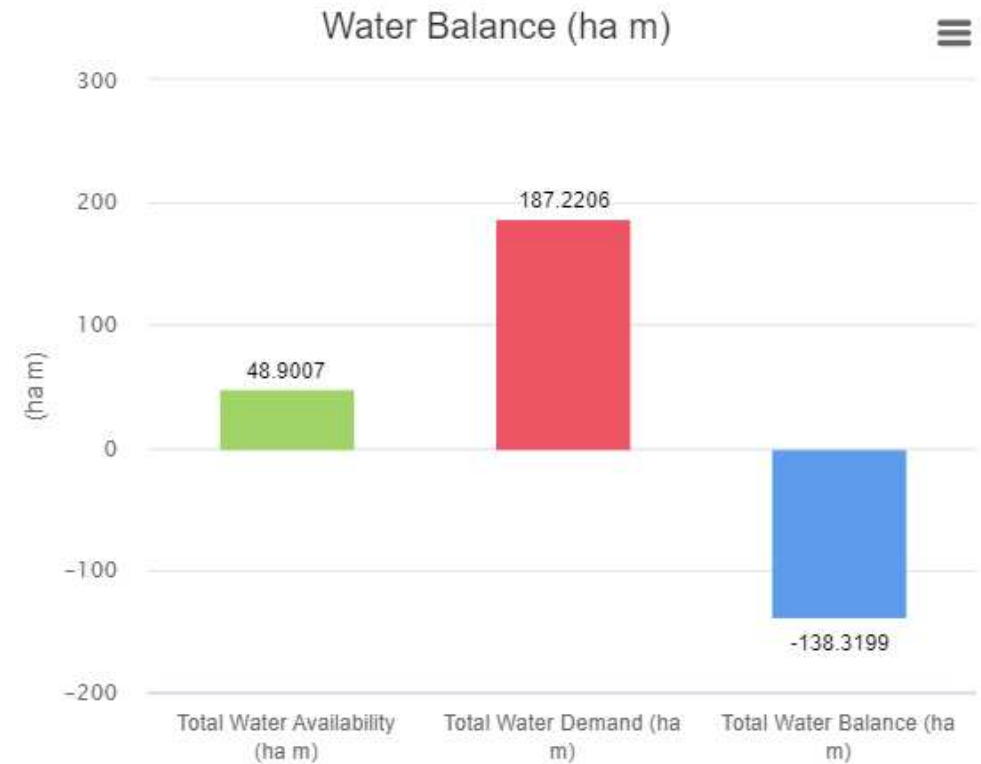
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.0951
ii)	From Ground Water	3.2655
	Total Drinking /Domestic (ha m)	3.3606
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	183.8600
	Total Irrigated Agriculture (ha m)	183.8600
C	Industrial Use (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Industrial Use (ha m)	0.0000
D	Other Uses (if any) (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Other Uses (if any) (ha m)	0.0000



Water Balance Report

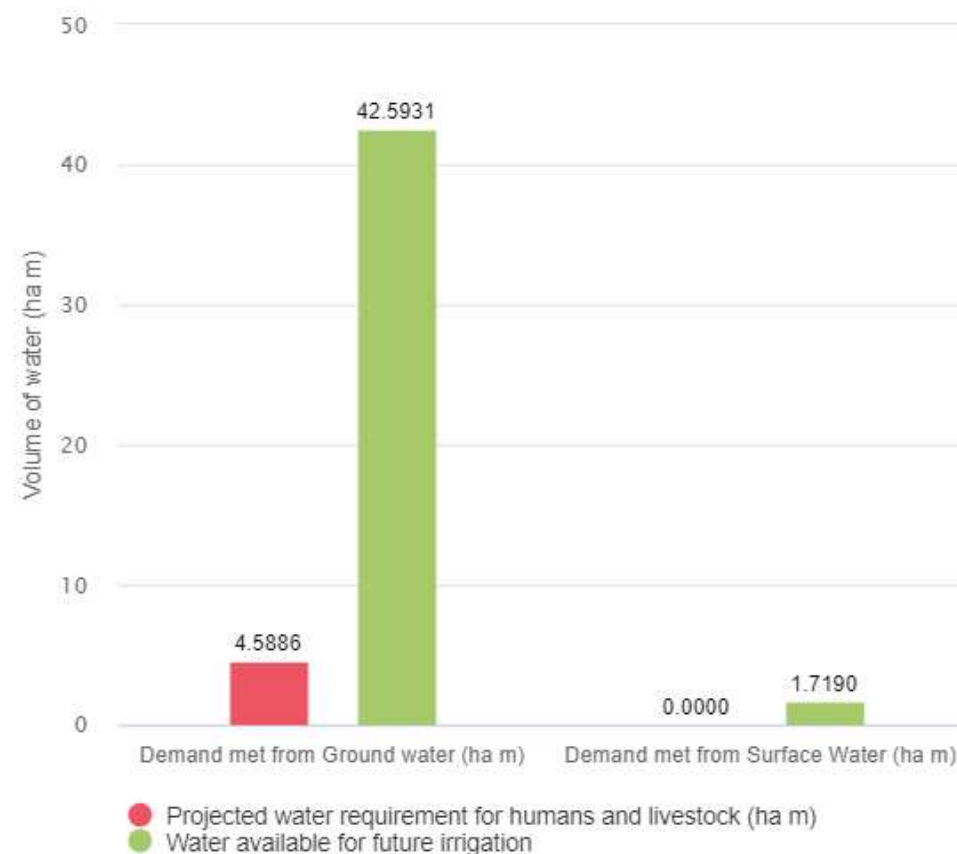
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	47.1817
ii)	Total Surface Water Available	1.7190
	Total Water Availability (ha m)	48.9007
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.0951
ii)	Total Ground Water Demand	187.1255
	Total Water Demand	187.2206
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-139.9438
ii)	Total Surface Water Balance	1.6239
	Total Water Balance	-138.3199



Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	1202.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	1659.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	3.3304
II	Livestock	
i)	Present livestock population	210.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	278.0000
v)	Average per capita requirement (L)	124.0000
vi)	Projected water requirement for livestock (as in 2050) (ha m)	1.2582
B	Projected water requirement for humans and livestock (ha m) (as in 2050)	
	Total Projected water requirement for humans and livestock (as in 2050) (ha m)	4.5886
i)	Proposed share to be met from Ground water (in %)	100.0000
ii)	Proposed share to be met from Surface water (in %)	
iii)	Demand met from Ground water (ha m)	4.5886
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	42.5931
ii)	Surface water	1.7190
iii)	Total water available for future irrigation	44.3121

Projected Water Budget for future use (for year 2050)

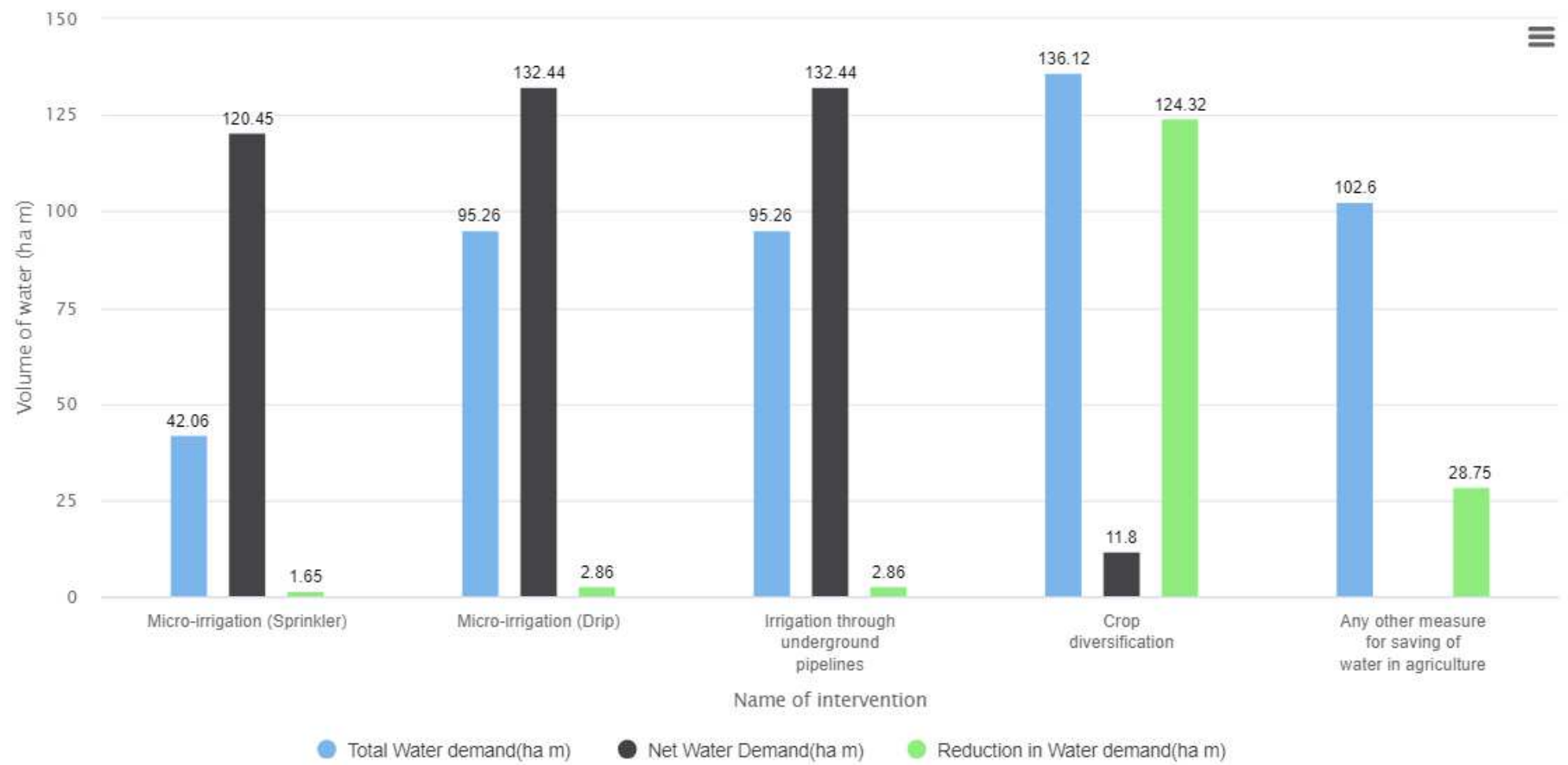


Demand Side

Total Area under Conventional Irrigation (ha) : 198.674

Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ha m)	Net Water Demand(ha m)	Reduction in Water demand(ha m)	Approximate cost(in lakh)
1	Sprinkler	10.0000	42.0600	120.4500	1.6500	11.2000
2	Drip	13.0000	95.2600	132.4400	2.8600	19.8900
3	Pipelines	13.0000	95.2600	132.4400	2.8600	2.6000
4	Crop Diversification	24	136.1200	11.8000	124.3200	4.1000
5	Other Measures	108.0000	102.6000	--	28.7500	7.4700
	Total	168.0000	471.3000	397.1300	160.4400	45.2600

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	48	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	1.77
2	Sprinkler	10	2024-25	MICADA	PMKSY(Per Drop More Crop)	11.2
3	Drip	13	2024-25	MICADA	PMKSY(Per Drop More Crop)	19.89
4	UG Pipelines	13	2024-25	Agriculture & Farmer Welfare Department	Other	2.6
5	Crop Diversification	8	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.34
6	Crop Diversification	16	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	2.76
7	Other Measures	2	2024-25	Department of Horticulture	Other	2
8	Other Measures	28	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.7
9	Other Measures	30	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	3
	Total	168				45.2600

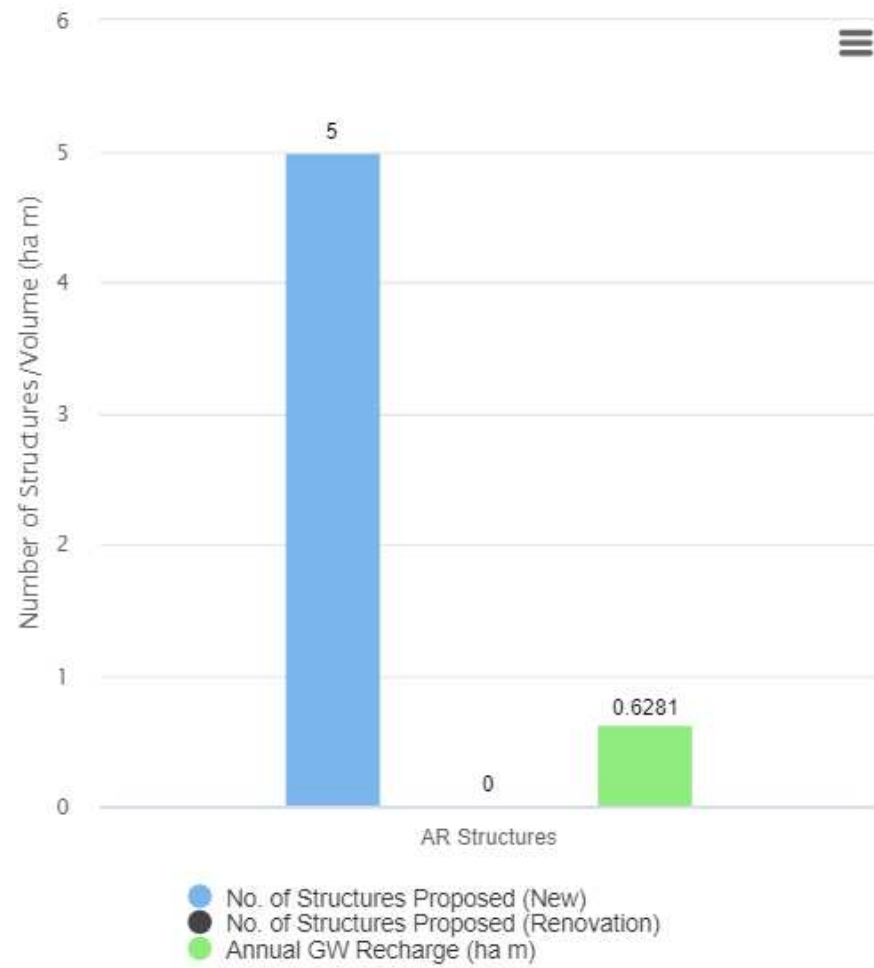


Supply Side

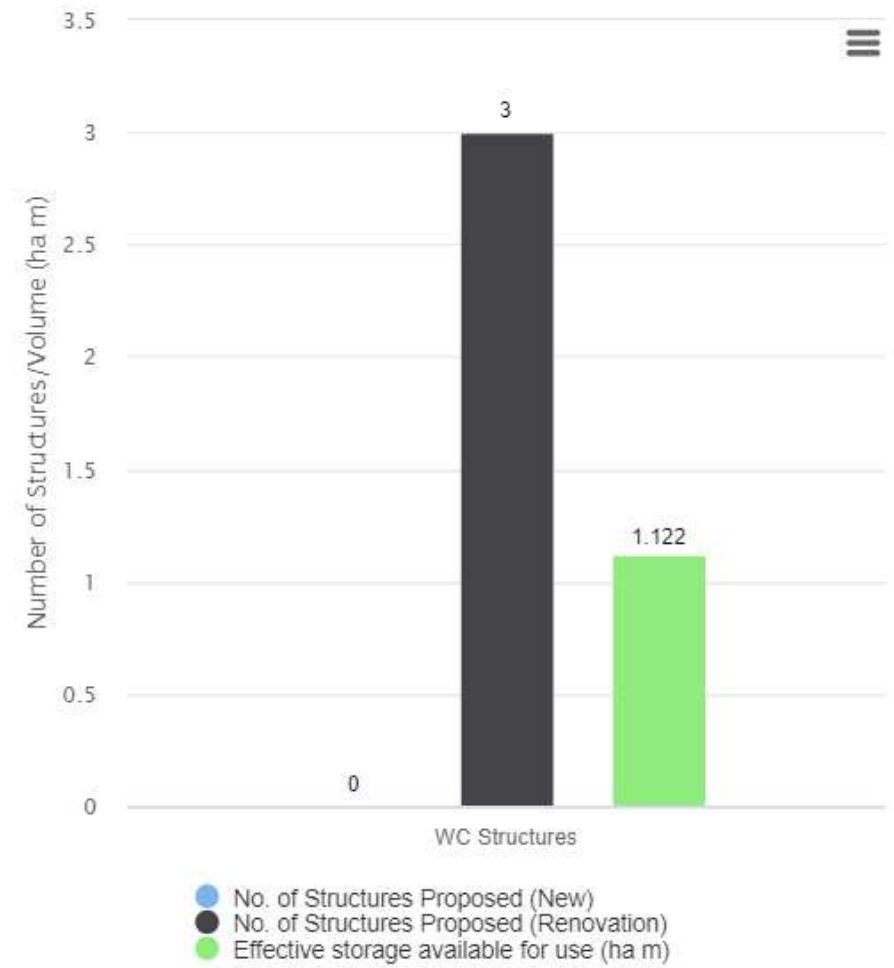
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Recharge Pit And Shaft(New)	0.0018	0.002700	Topra Khurd (464)	30.1332	77.1949	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system (New)	0.00616	0.0184800	Topra Khurd (464)	30.1334	77.1944	2024-25	Department of Education	CSR	4.5
3	Injection Wells/ Recharge Wells(New)	0.00231	0.0069300	Topra Khurd (464)	30.132	77.1921	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.4
4	check dam(New)	0.2	0.300	Topra Khurd (464)	30.132946	77.198681	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
5	check dam(New)	0.2	0.300	Topra Khurd (464)	30.131689	77.192605	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.4103	0.6281							15.5200

Supply Side (Water Conservation Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Topra Khurd (464)	30.135	77.1947	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
2	Pond/Amrit Sarovar(Renovation)	0.76	0.456	Topra Khurd (464)	30.135095	77.195402	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.68
3	Pond/Amrit Sarovar(Renovation)	0.37	0.222	Topra Khurd (464)	30.133838	77.195772	2024-25	Rural Department and Panchayati Raj	MGNREGA	5.13
	Total	1.8700	1.1220							26.0800

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	SHIV KUMAR	MEMBER	Male	9728272029
2	SANDEEP KUMAR	MEMBER	Male	9050955188
3	SOHAN LAL	MEMBER	Male	8708892569
4	KIRANPAL KAUR	MEMBER	Female	7027098496
5	DARSHANI DEVI	MEMBER	Female	8816837995
6	DAVINDER SINGH	CHAIRPERSON	Male	9814766343
7	NARENDER KAUR	MEMBER	Female	9466487447
8	REKHA DEVI	MEMBER	Female	9728830609
9	RAVINDER SINGH	MEMBER	Male	8708733218
10	SUNDER SINGH	GRAM SACHIV	Male	7988381480
11	RENU	MEMBER	Female	9017286659
12	SURESHO DEVI	MEMBER	Female	8708985964
13	MEWA RANI	MEMBER	Female	8708278342
14	SURENDER KAUR	MEMBER	Female	999616200
15	RAHUL	JE	Male	8950718884
16	GURPREET SINGH	JE PHED	Male	9053779442

Details of PGWM Meeting in which resolution was passed												
Sr.no	State	District	Block	Gram Panchayat	Date	GP Name	Village Name	Meeting Location	Male	Female	Transgender	Total number of attendees
1	Haryana_6	Yamunanagar_76	Saraswati Nagar_563	Topra Khurd_33477	2024-02-02	Topra Khurd_33477	Topra Khurd (464)	GURU RAVIDASS MANDIR	14	11	0	25

Photograph



GPS Map Camera



Google

Topra Khurd, Haryana, India

45MV+8MM, Topra Khurd, Akbarpur, Haryana 135002, India

Lat 30.133777°

Long 77.194052°

02/02/24 11:56 AM GMT +05:30

DPMU DECLARATION

I, Surinder Kumar (Name), Executive Engineer, HKB Division No. 1 (Designation), authorized representative under District Program Management Unit (DPMU) declare that the WSP of Topra Khurd Gram Panchayat, Saraswati Nagar Block Yamuna Nagar District has been updated by including additional interventions. The Updation has been informed to the community/committee at GP level.

Seal and Signature of authorized DPMU Official:

Date


Executive Engineer
HKB Division No. 1
Jaquadhri


IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR

Tarveen Kumar
GWE DPMU

Minutes of Meeting

Village Name: TOPRA KHURD

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: RAVIDASS MANDIR Lat. No. 30°13'37.7"

Long No. 77°19'40.52"

Date: 2/2/2024

Agenda of Meeting: Discuss with members about the ATAL BHUJAL YOJNA.

अतल भूजल योजना के अन्तर्गत आज दिनांक 2/2/2024 को ग्राम पंचायत टोपरा खुर्द में सरपंच श्री/श्रीमती DAVINDER SINGH की अध्यक्षता में जल व स्वच्छता समिति की बैठक का आयोजन किया गया जिसमें निम्नलिखित बिंदुओं पर चर्चा की गई।

- ⇒ ग्राम पंचायत में जोड़ कौतु निर्माण किया जाए।
- ⇒ सिंचाई के लिए भूमिगत परियोजना की व्यवस्था की जाए
- ⇒ खेतों में DSR पौधी से धान की पुर्वाई की व्यवस्था की जाए।
- ⇒ ग्राम पंचायत में स्कूलों व धर्मशाला में शौकेज पिट व RTTRWMS बनवाए जाए।
- ⇒ खेतों में मसल अवशेष प्रबंधन की व्यवस्था की जाए।

उपरोक्त सभी बिंदुओं पर विस्तार से चर्चा करके बैठक में उपस्थित सभी सदस्यों, सरपंच की सहायता से जल सुरक्षा योजना को पारित किया गया।

ANNEXURE III

RESOLUTION

Date: 02/02/2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat....TOPRA KHURD
Block/Taluk/Mandal GARSWATI NAGAR District-Yamunanagar, State-Haryana is complete in all respect and has
been prepared through consultative process including the members of Village Water and Sanitation Committee
(VWSC) /equivalent Committee and was approved in the meeting held on 02/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Davinder Singh	सरपंच Davinder Singh ग्राम पंचायत टोपरा खुर्द ब्लॉक गरसवती नगर
2	Gram Panchayat Secretary	Sh. Sunder Singh	जि. सुंदर सिंह

Gram Panchayat: — TOPRA KHURD Meeting: — GURU RAVIDASS MANDIR Block: Sarswati Nagar District: Yamuna Nagar

Sl. No	Name	Gender M/F	Category OBC/SC /ST	Occupation	Are you a member of any committee (Yes/No)	If yes name of the committee	Phone No.	Signature
1.	DAWDER Singh	M	Gen	Farmer	Yes	SarPanch	9814766343	Davidar Singh
2.	Shiwani	F	BC	Study	No	—	8818044037	Shiwani
3.	Renu	F	B.C	house Keeper	YES	Tal Saheli	7404198813	Renu
4.	Foolwati	F	SC	worker	YES	Aggonwadi	9991744389	Foolwati
5.	Komal	F	SC	housewife	No	—	9671007464	Komal
6.	Neeham	F	SC	housewife	No	—	8299800258	Neeham
7.	Jas Singh	M	SC	Labour	No	—	9992242372	Jas Singh
8.	Hukam Singh	M	SC	Painter	YES	V.W.S.C	9896661171	Hukam Singh
9.	Kusum	F	SC	housewife	No	—	8813926292	Kusum
10.	Nismal Singh	M	SC	operator	YES	V.W.S.C	9728372062	Nismal Singh
11.	Sohan Lal	M	SC	swifter	YES	—	8708892567	Sohan Lal
12.	balbir Singh	M	SC	Labour	No	—	9728147927	Balbir Singh
13.	Lucky	M	SC	Study	No	—	9050057062	Lucky
14.	Nareesh	M	SC	Farmer	No	—	9996987708	Nareesh
15.	Ashok Kumar	M	SC	Labour	No	—	7015456162	Ashok Kumar
16.	Suresho Devi	F	SC	housewife	YES	V.W.S.C	8708985964	Suresho Devi
17.	Shiv Kumar	M	SC	Farmer	YES	V.W.S.C	9728272029	Shiv Kumar

G.P - TOPRAKHURD

Sr. No.	NAME	Gender M/F	Category Gen OBC/SC/ST	Occupation	Are you a member of Any Committee Yes	If Yes name of the Committee	Phone No.	Signature
18.	Narender Kaur	F	SC	house wife	Yes	V.W.S.C	946648647	नरेन्द्र कौर
19.	रेखा देवी	F	SC	house wife	Yes	V.W.S.C	9728830609	Rekha Dewi
20.	मेधा राणी	F	SC	house wife	Yes	V.W.S.C	8708278342	मेधा रानी
21.	Suender Kaur	F	Gen	Farmer	Yes	V.W.S.C	9996167200	सुन्दर कौर
22.	Ravinder Singh	M	Gen	Farmer	Yes	V.W.S.C	8708733218	Ravinder Singh
23.	Sandeep Kumar	M	Gen	Farmer	Yes	V.W.S.C	9050955188	Sandeep Kumar
24.	Sohan Lal	M	Gen	Worker	Yes	V.W.S.C	8708892569	सोहन लाल
25.	Kiran Pal Kaur	F	Gen	house wife	Yes	V.W.S.C	7027098496	किरण पाल
26.	Sunder Singh	M	B.C	Gram Sachiv	Yes	V.W.S.C	7988381480	Sunder Singh
27.								
28.								
29.								
30.								