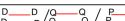


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MAP UNIT (HYDROGEO MORPHIC UNIT) REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	GEOLOGICAL SEQUENCE / ROCK TYPE	GEOMORPHIC UNIT / LANDFORM (REPRESENTED IN THE MAP WITH NUMERIC CODE) (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	DEPTH TO WATER LEVEL (PRE POST MONSOON AVERAGE IN METERS)	RECHARGE CONDITIONS (BASED ON AVAILABILITY OF WATER) (RAINFALL & OTHER SOURCES)	GROUND WATER PROSPECTS							RECHARGE STRUCTURES SUITABLE & PRIORITY	RE MARKS (PROBLEMS / LIMITATIONS)
					AQUIFER MATERIAL LS = LOOSE SEDIMENTS PS = POTABLE ROCK FR = FRACTURED ROCK RW = WEATHERED ROCK R = IMPERVIOUS ROCK	TYPE OF WELLS SUITABLE DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DWB / DUG CUM BORE WELL / DTW = DUG CUM TUBE WELL	DEPTH RANGE OF WELLS (SUGGESTED) MIN - MAX (IN METERS)	YIELD RANGE OF WELLS (EXPECTED) (in LPM or m ³ /day)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY) VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER POTABLE (P) NON-POTABLE (NP) (HATCHING INDICATES NON-POTABLE)	GROUND WATER BRIGATED AREA (APPROX. RANGE IN PERCENTAGE)		
	Alluvium (Sand with Silt and Clay) (13)	Alluvial Plain Older -Moderate (AOM)	No Wells observed	Good	LS	DW TW	10 - 15 25 - 30	50 - 75 m ³ /day 150 - 200 LPM	High	P	Nil	Not Required	Aquifer is formed of sandy part of alluvium. Recharge structures are not required as good recharge condition prevails
		Alluvial Plain Older -Deep (AOD)	No Wells observed	Good	LS	DW TW	15 - 20 30 - 50	50 - 75 m ³ /day 175 - 200 LPM	High	P	-	Not Required	Aquifer is formed of sandy part of alluvium. Recharge structures are not required as good recharge condition prevails

 These are fault / fracture zones, which generally act as conduits for movement of ground water in hard rocks. Along these zones, the yields are significantly higher and wells are likely to be sustainable for longer duration. However, the inferred fractures need to be confirmed by detailed ground surveys.

 These are dykes, quartz reefs and pegmatite veins, which generally act as barriers for ground water movement.

N.B.-The depth range and yield range of wells may vary within the unit because of certain inhomogeneities. Fractures/lineaments which are clearly observed / inferred from the satellite image are indicated on the map. There could be some obscured fractures which also influence the ground water prospects. Locations of the recharge structures shown in the map are tentative. This map is useful for narrowing down the target zones, and exact location on the ground for wells and recharge structures should be identified based on follow-up ground hydrogeological/geophysical surveys.

GROUND WATER PROSPECTS INFORMATION

YIELD RANGE OF WELLS	CLOUR CODE	DEPTH RANGE OF WELLS SHALLOW < 30 METERS MODERATE 30 - 60 METERS DEEP > 60 METERS
> 800 LPM	VIOLET	
400 - 800 LPM	INDIGO	
200 - 400 LPM	BLUE	
100 - 200 LPM	GREEN	
50 - 100 LPM	YELLOW	
20 - 50 LPM	ORANGE	
10 - 20 LPM	BROWN	
Prospects to vary parameters only (Data Extension only)	RED	
Hand-drawn Diagram for G.W. movement		

DESCRIPTION	SYMBOL
CANAL/TANK IRRIGATED AREA	
GROUND WATER IRRIGATED AREA	
RIVER / STREAM (with sand)	
WATER BODY / SPRING	
CANAL	
RAIN GUAGE STATION (With average annual rainfall in mm)	1800
RECHARGE STRUCTURES SUGGESTED	
PERCOLATION TANK	
NALA RABD	
DESILTING OF TANK	
SUBSURFACE DYKE	
SOIL CONSERVATION MEASURES	
WELL OBSERVATION DATA TABLE	
YIELD RANGE IN LPM	DATE OF TEST
400 - 800 LPM	10/10
200 - 400 LPM	10/10
100 - 200 LPM	10/10
50 - 100 LPM	10/10
30 - 50 LPM	10/10
20 - 30 LPM	10/10
10 - 20 LPM	10/10
< 10 LPM	10/10
Colour inside well symbol indicates yield range. The figure on the top right hand side of well indicate the depth to water level and depth of well in meters	
DSG - CMC BORE WELL	D
ARTESIAN WELL	U
OBSERVATION WELL OF G.W. DEPT. / C.G.W.B.	

STRUCTURAL INFORMATION

DIPS (° > 15)	BEDDING	SCHISTOSITY FOLIATION
SHALLOW (1° - 45°)		
STEEP (45° - 80°)		
SUB-VERTICAL TO VERTICAL (1° > 80°)		
ANTICLINE / ANTIFORM		
SYNCLINE / SYNFORM		
TREND LINE		
ESCAPMENT		
LITHOLOGY / GEOMORPHIC UNIT BOUNDARY		
FAULT		
THRUST		
FRACTURE / LINEAMENT (Inferred)		
FRACTURE / LINEAMENT (Inferred)		
SHEAR ZONE (Confirmed / Inferred)		
DYKE (Confirmed / Inferred)		
QUARTZ REEF (Confirmed / Inferred)		
PEGMATITE VEIN (Confirmed / Inferred)		
Lithologic contacts are inferred at places / Geomorphologic boundaries are gradational		

BASE MAP INFORMATION

SYMBOL	DESCRIPTION
NH - 2	NATIONAL HIGHWAY
SH - 9	STATE HIGHWAY
	METALLED ROAD
	OTHER ROAD
	RAILWAY
	CITY / VILLAGE
	HABITATIONS : NON - COVERED (NC) PARTIALLY COVERED (PC)
	BOUNDARY :
	STATE
	DISTRICT
	BLOCK
OTHER INFORMATION	
Rainfall : 1431mm (Source IMD)	

LOCATION INFORMATION

STATE INDEX	DISTRICT INDEX