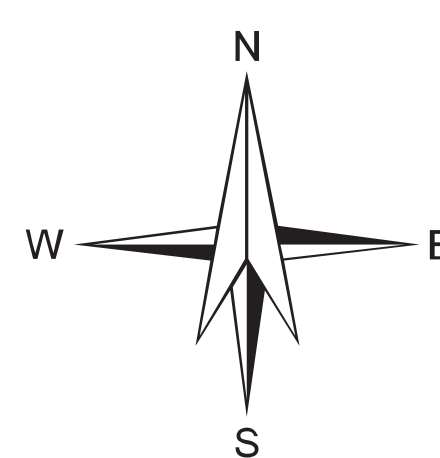
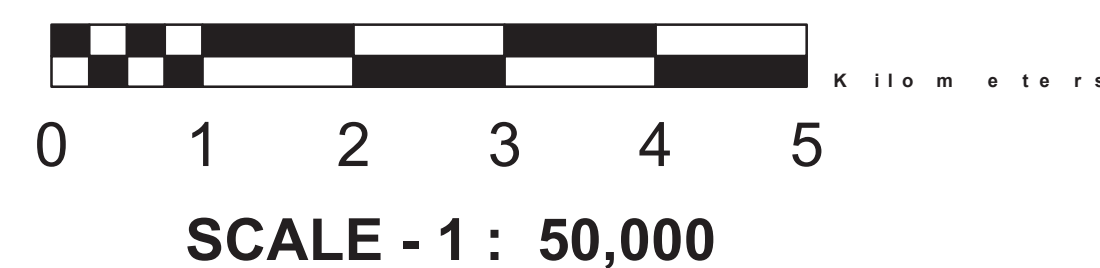


GROUND WATER PROSPECTS MAP

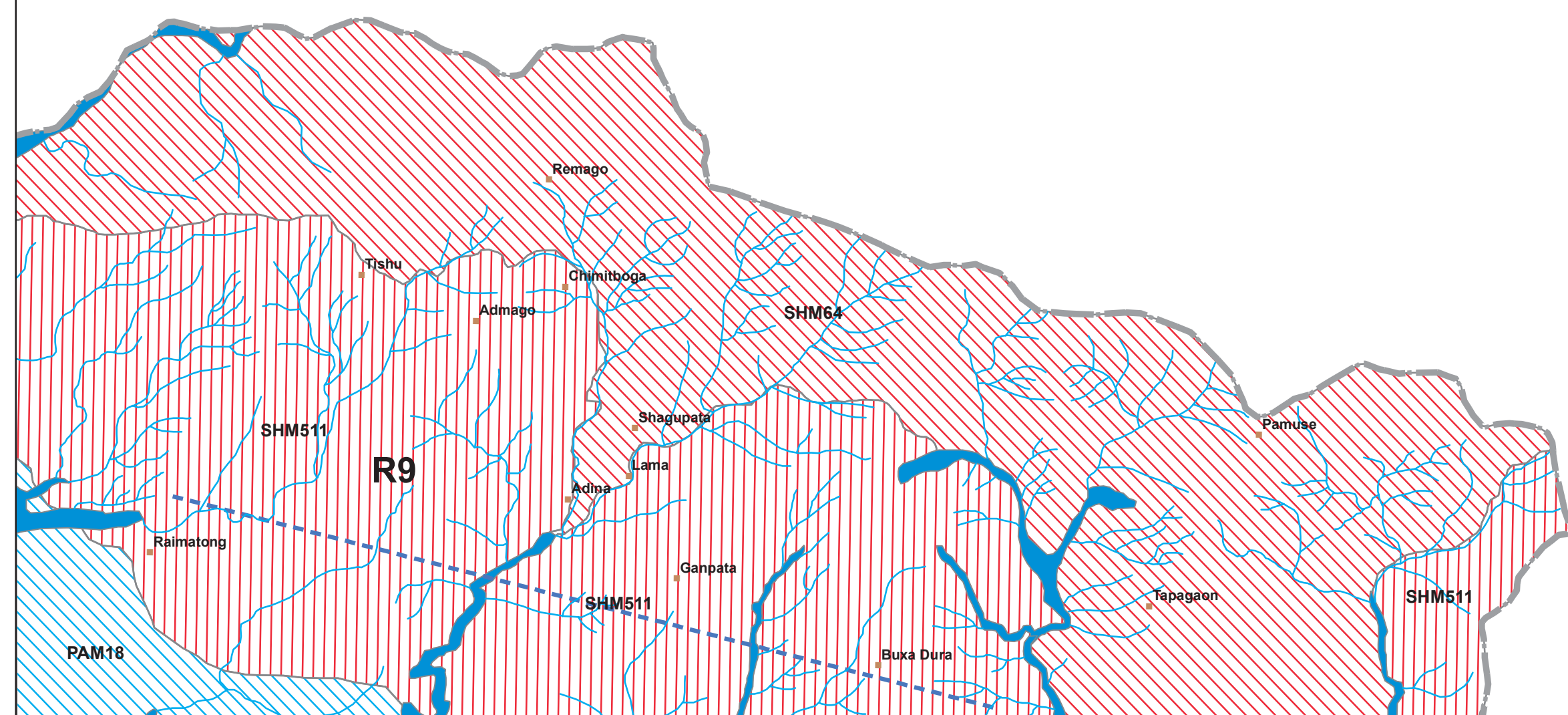
(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)



MAP SHEET NO. 78F/9

JALPAIGURI DISTRICT, WEST BENGAL

B H U T A N



LEGEND

MAP UNIT (HYDROGEOLOGIC UNIT) REPRESENTED IN THE MAP WITH ALPHABETIC CODE (COLOUR INDICATES YIELD RANGES AND HATCHING INDICATE DEPTH RANGE)	GEOLOGICAL SEQUENCE/ ROCK TYPE (REPRESENTED IN THE MAP WITH NUMERIC CODE)	GEOMORPHIC UNIT / LANDFORM (REPRESENTED IN THE MAP WITH ALPHABETIC CODE)	DEPTH TO WATER LEVEL PRE / POST MONSOON (AVERAGE IN METERS) NO. OF WELLS OBSERVED	RECHARGE CONDITIONS BASED ON AVAILABILITY OF WATER (RAINFALL & OTHER SOURCES)	GROUND WATER PROSPECTS						RECHARGE STRUCTURES SUITABLE & PRIORITY	REMARKS (PROBLEMS / LIMITATIONS)	
					AQUIFER MATERIAL LS = LOOSE SEDIMENTS PS = FISSILE ROCK PM = FISSILE ROCK PP = FISSILE ROCK PW = WEATHERED ROCK WM = WEATHERED MATERIAL WR = WEATHERED ROCK	TYPE OF WELLS SUITABLE SW = SUGAR WELL MW = MINOR WELL MW = MAJOR WELL MW = MINOR WELL MW = MAJOR WELL MW = MINOR WELL MW = MAJOR WELL	DEPTH RANGE OF WELLS (IN METERS) MIN - MAX	YIELD RANGE OF WELLS (LPM) (IN LPM m ⁻² DAY)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY) VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER POTABLE (P) NON-POTABLE (NP)			GROUND WATER IRRIGATED AREA (APPROX. RANGE IN PERCENTAGE)
PAM12	Alluvium (Gravel Dominant) (18)	Piedmont Alluvium Moderate (PAM)	No Well Observed	Good	LS	TW	40 - 60m	300-400 LPM	Moderate	P	NII	Not Required	Good ground water prospect at moderate depth along piedmont slope.
SHM511	Sandstone & Conglomerate (511)	Structural Hill Moderately Dissected (SHM)											Essentially run-off zone. Drinking water sources primarily from springs and river/stream water. Limited prospects along intermontane valleys.
SHM64	Thick bedded Dolomite (64)	Structural Hill Moderately Dissected (SHM)											

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 <table border="1"> <thead> <tr> <th>YIELD RANGE OF WELLS</th> <th>COLOUR CODE</th> <th>DEPTH RANGE OF WELLS</th> </tr> <tr> <th>SHALLOW (0-10 METERS)</th> <th>MODERATE (10-40 METERS)</th> <th>DEEP (40-100 METERS)</th> </tr> </thead> <tbody> <tr> <td>> 800 LPM</td> <td>VIOLET</td> <td>[Hatching patterns]</td> </tr> <tr> <td>400 - 800 LPM</td> <td>INDIGO</td> <td>[Hatching patterns]</td> </tr> <tr> <td>200 - 400 LPM</td> <td>BLUE</td> <td>[Hatching patterns]</td> </tr> <tr> <td>100 - 200 LPM</td> <td>GREEN</td> <td>[Hatching patterns]</td> </tr> <tr> <td>50 - 100 LPM</td> <td>YELLOW</td> <td>[Hatching patterns]</td> </tr> <tr> <td>30 - 50 LPM</td> <td>ORANGE</td> <td>[Hatching patterns]</td> </tr> <tr> <td>20 - 30 LPM</td> <td>BROWN</td> <td>[Hatching patterns]</td> </tr> <tr> <td>10 - 20 LPM</td> <td>PINK</td> <td>[Hatching patterns]</td> </tr> <tr> <td>Prospects based on water potential only (R9, PAM12, SHM511, SHM512, SHM513, SHM514, SHM515, SHM516, SHM517, SHM518, SHM519, SHM520, SHM521, SHM522, SHM523, SHM524, SHM525, SHM526, SHM527, SHM528, SHM529, SHM530, SHM531, SHM532, SHM533, SHM534, SHM535, SHM536, SHM537, SHM538, SHM539, SHM540, SHM541, SHM542, SHM543, SHM544, SHM545, SHM546, SHM547, SHM548, SHM549, SHM550, SHM551, SHM552, SHM553, SHM554, SHM555, SHM556, SHM557, SHM558, SHM559, SHM560, SHM561, SHM562, SHM563, SHM564, SHM565, SHM566, SHM567, SHM568, SHM569, SHM570, SHM571, SHM572, SHM573, SHM574, SHM575, SHM576, SHM577, SHM578, SHM579, SHM580, SHM581, SHM582, SHM583, SHM584, SHM585, SHM586, SHM587, SHM588, SHM589, SHM590, SHM591, SHM592, SHM593, SHM594, SHM595, SHM596, SHM597, SHM598, SHM599, SHM600)</td> <td>RED</td> <td>[Hatching patterns]</td> </tr> </tbody> </table>	YIELD RANGE OF WELLS	COLOUR CODE	DEPTH RANGE OF WELLS	SHALLOW (0-10 METERS)	MODERATE (10-40 METERS)	DEEP (40-100 METERS)	> 800 LPM	VIOLET	[Hatching patterns]	400 - 800 LPM	INDIGO	[Hatching patterns]	200 - 400 LPM	BLUE	[Hatching patterns]	100 - 200 LPM	GREEN	[Hatching patterns]	50 - 100 LPM	YELLOW	[Hatching patterns]	30 - 50 LPM	ORANGE	[Hatching patterns]	20 - 30 LPM	BROWN	[Hatching patterns]	10 - 20 LPM	PINK	[Hatching patterns]	Prospects based on water potential only (R9, PAM12, SHM511, SHM512, SHM513, SHM514, SHM515, SHM516, SHM517, SHM518, SHM519, SHM520, SHM521, SHM522, SHM523, SHM524, SHM525, SHM526, SHM527, SHM528, SHM529, SHM530, SHM531, SHM532, SHM533, SHM534, SHM535, SHM536, SHM537, SHM538, SHM539, SHM540, SHM541, SHM542, SHM543, SHM544, SHM545, SHM546, SHM547, SHM548, SHM549, SHM550, SHM551, SHM552, SHM553, SHM554, SHM555, SHM556, SHM557, SHM558, SHM559, SHM560, SHM561, SHM562, SHM563, SHM564, SHM565, SHM566, SHM567, SHM568, SHM569, SHM570, SHM571, SHM572, SHM573, SHM574, SHM575, SHM576, SHM577, SHM578, SHM579, SHM580, SHM581, SHM582, SHM583, SHM584, SHM585, SHM586, SHM587, SHM588, SHM589, SHM590, SHM591, SHM592, SHM593, SHM594, SHM595, SHM596, SHM597, SHM598, SHM599, SHM600)	RED	[Hatching patterns]	HYDROLOGICAL INFORMATION <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>SYMBOL</th> </tr> </thead> <tbody> <tr> <td>CANAL / TANK IRRIGATED AREA</td> <td>[Symbol]</td> </tr> <tr> <td>GROUND WATER IRRIGATED AREA</td> <td>[Symbol]</td> </tr> <tr> <td>RIVER / STREAM (with sand)</td> <td>[Symbol]</td> </tr> <tr> <td>WATER BODY / SPRING</td> <td>[Symbol]</td> </tr> <tr> <td>CANAL</td> <td>[Symbol]</td> </tr> <tr> <td>RAIN GUAGE STATION (With average annual rainfall in mm)</td> <td>[Symbol]</td> </tr> <tr> <td>RECHARGE STRUCTURES SUGGESTED</td> <td>[Symbol]</td> </tr> <tr> <td>PERCOLATION TANK</td> <td>[Symbol]</td> </tr> <tr> <td>NALA BUND</td> <td>[Symbol]</td> </tr> <tr> <td>DESILTING TANK</td> <td>[Symbol]</td> </tr> <tr> <td>SUBSURFACE DYKE</td> <td>[Symbol]</td> </tr> <tr> <td>SOIL CONSERVATION MEASURES</td> <td>[Symbol]</td> </tr> <tr> <td>WELL TYPES</td> <td>[Symbol]</td> </tr> <tr> <td>RECHARGE WELL</td> <td>[Symbol]</td> </tr> <tr> <td>RECHARGE PIT</td> <td>[Symbol]</td> </tr> <tr> <td>RECHARGE SHAFT</td> <td>[Symbol]</td> </tr> <tr> <td>STORAGE TANK</td> <td>[Symbol]</td> </tr> </tbody> </table>	DESCRIPTION	SYMBOL	CANAL / TANK IRRIGATED AREA	[Symbol]	GROUND WATER IRRIGATED AREA	[Symbol]	RIVER / STREAM (with sand)	[Symbol]	WATER BODY / SPRING	[Symbol]	CANAL	[Symbol]	RAIN GUAGE STATION (With average annual rainfall in mm)	[Symbol]	RECHARGE STRUCTURES SUGGESTED	[Symbol]	PERCOLATION TANK	[Symbol]	NALA BUND	[Symbol]	DESILTING TANK	[Symbol]	SUBSURFACE DYKE	[Symbol]	SOIL CONSERVATION MEASURES	[Symbol]	WELL TYPES	[Symbol]	RECHARGE WELL	[Symbol]	RECHARGE PIT	[Symbol]	RECHARGE SHAFT	[Symbol]	STORAGE TANK	[Symbol]	STRUCTURAL INFORMATION <table border="1"> <thead> <tr> <th>DIPS</th> <th>BEDDING</th> <th>SCHISTOSITY / FOLIATION</th> </tr> </thead> <tbody> <tr> <td>GENTLE (< 15°)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>MODERATE (15-45°)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>STEEP (45-80°)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>VERY STEEP (> 80°)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>ANTICLINE (ANTIFORM)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>SYNCLINE / SYNFORM</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>TREND LINE</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>ESCAPMENT</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>LITHOLOGY / GEOMORPHIC UNIT BOUNDARY</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>FAULT</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>THURST</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>FRACTURE / LINEAMENT</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>FRACTURE / LINEAMENT (Inferred)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>SHEAR ZONE (Confirmed / Inferred)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>DYKE</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>QUARTZ REEF</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> <tr> <td>PEGMATITE VEIN (Confirmed / Inferred)</td> <td>[Symbol]</td> <td>[Symbol]</td> </tr> </tbody> </table>	DIPS	BEDDING	SCHISTOSITY / FOLIATION	GENTLE (< 15°)	[Symbol]	[Symbol]	MODERATE (15-45°)	[Symbol]	[Symbol]	STEEP (45-80°)	[Symbol]	[Symbol]	VERY STEEP (> 80°)	[Symbol]	[Symbol]	ANTICLINE (ANTIFORM)	[Symbol]	[Symbol]	SYNCLINE / SYNFORM	[Symbol]	[Symbol]	TREND LINE	[Symbol]	[Symbol]	ESCAPMENT	[Symbol]	[Symbol]	LITHOLOGY / GEOMORPHIC UNIT BOUNDARY	[Symbol]	[Symbol]	FAULT	[Symbol]	[Symbol]	THURST	[Symbol]	[Symbol]	FRACTURE / LINEAMENT	[Symbol]	[Symbol]	FRACTURE / LINEAMENT (Inferred)	[Symbol]	[Symbol]	SHEAR ZONE (Confirmed / Inferred)	[Symbol]	[Symbol]	DYKE	[Symbol]	[Symbol]	QUARTZ REEF	[Symbol]	[Symbol]	PEGMATITE VEIN (Confirmed / Inferred)	[Symbol]	[Symbol]	BASE MAP INFORMATION <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>NH-34</td> <td>NATIONAL HIGHWAY</td> </tr> <tr> <td>SH-12</td> <td>STATE HIGHWAY</td> </tr> <tr> <td>[Symbol]</td> <td>METALLED ROAD</td> </tr> <tr> <td>[Symbol]</td> <td>OTHER ROAD</td> </tr> <tr> <td>[Symbol]</td> <td>RAILWAY</td> </tr> <tr> <td>[Symbol]</td> <td>CITY / VILLAGE</td> </tr> <tr> <td>[Symbol]</td> <td>HABITATIONS : NON - COVERED (NC), PARTIALLY COVERED (PC)</td> </tr> <tr> <td>[Symbol]</td> <td>BOUNDARY :</td> </tr> <tr> <td>[Symbol]</td> <td>INTERNATIONAL</td> </tr> <tr> <td>[Symbol]</td> <td>STATE</td> </tr> <tr> <td>[Symbol]</td> <td>DISTRICT</td> </tr> <tr> <td>[Symbol]</td> <td>BLOCK</td> </tr> </tbody> </table> <p>OTHER INFORMATION Rainfall : 3102 mm Nearest Rain gauge Station : Jalpaiguri (Source IMD)</p>	SYMBOL	DESCRIPTION	NH-34	NATIONAL HIGHWAY	SH-12	STATE HIGHWAY	[Symbol]	METALLED ROAD	[Symbol]	OTHER ROAD	[Symbol]	RAILWAY	[Symbol]	CITY / VILLAGE	[Symbol]	HABITATIONS : NON - COVERED (NC), PARTIALLY COVERED (PC)	[Symbol]	BOUNDARY :	[Symbol]	INTERNATIONAL	[Symbol]	STATE	[Symbol]	DISTRICT	[Symbol]	BLOCK	LOCATION INFORMATION <table border="1"> <thead> <tr> <th>STATE INDEX</th> <th>DISTRICT INDEX</th> </tr> </thead> <tbody> <tr> <td>[Map of India]</td> <td>[Map of West Bengal]</td> </tr> <tr> <td>[Map of Jalpaiguri District]</td> <td>[Map of Jalpaiguri District]</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>BLOCK INDEX</th> <th>MAPSHEET INDEX</th> </tr> </thead> <tbody> <tr> <td>[Map of Jalpaiguri District]</td> <td>[Map of Jalpaiguri District]</td> </tr> </tbody> </table>	STATE INDEX	DISTRICT INDEX	[Map of India]	[Map of West Bengal]	[Map of Jalpaiguri District]	[Map of Jalpaiguri District]	BLOCK INDEX	MAPSHEET INDEX	[Map of Jalpaiguri District]	[Map of Jalpaiguri District]
YIELD RANGE OF WELLS	COLOUR CODE	DEPTH RANGE OF WELLS																																																																																																																																																																	
SHALLOW (0-10 METERS)	MODERATE (10-40 METERS)	DEEP (40-100 METERS)																																																																																																																																																																	
> 800 LPM	VIOLET	[Hatching patterns]																																																																																																																																																																	
400 - 800 LPM	INDIGO	[Hatching patterns]																																																																																																																																																																	
200 - 400 LPM	BLUE	[Hatching patterns]																																																																																																																																																																	
100 - 200 LPM	GREEN	[Hatching patterns]																																																																																																																																																																	
50 - 100 LPM	YELLOW	[Hatching patterns]																																																																																																																																																																	
30 - 50 LPM	ORANGE	[Hatching patterns]																																																																																																																																																																	
20 - 30 LPM	BROWN	[Hatching patterns]																																																																																																																																																																	
10 - 20 LPM	PINK	[Hatching patterns]																																																																																																																																																																	
Prospects based on water potential only (R9, PAM12, SHM511, SHM512, SHM513, SHM514, SHM515, SHM516, SHM517, SHM518, SHM519, SHM520, SHM521, SHM522, SHM523, SHM524, SHM525, SHM526, SHM527, SHM528, SHM529, SHM530, SHM531, SHM532, SHM533, SHM534, SHM535, SHM536, SHM537, SHM538, SHM539, SHM540, SHM541, SHM542, SHM543, SHM544, SHM545, SHM546, SHM547, SHM548, SHM549, SHM550, SHM551, SHM552, SHM553, SHM554, SHM555, SHM556, SHM557, SHM558, SHM559, SHM560, SHM561, SHM562, SHM563, SHM564, SHM565, SHM566, SHM567, SHM568, SHM569, SHM570, SHM571, SHM572, SHM573, SHM574, SHM575, SHM576, SHM577, SHM578, SHM579, SHM580, SHM581, SHM582, SHM583, SHM584, SHM585, SHM586, SHM587, SHM588, SHM589, SHM590, SHM591, SHM592, SHM593, SHM594, SHM595, SHM596, SHM597, SHM598, SHM599, SHM600)	RED	[Hatching patterns]																																																																																																																																																																	
DESCRIPTION	SYMBOL																																																																																																																																																																		
CANAL / TANK IRRIGATED AREA	[Symbol]																																																																																																																																																																		
GROUND WATER IRRIGATED AREA	[Symbol]																																																																																																																																																																		
RIVER / STREAM (with sand)	[Symbol]																																																																																																																																																																		
WATER BODY / SPRING	[Symbol]																																																																																																																																																																		
CANAL	[Symbol]																																																																																																																																																																		
RAIN GUAGE STATION (With average annual rainfall in mm)	[Symbol]																																																																																																																																																																		
RECHARGE STRUCTURES SUGGESTED	[Symbol]																																																																																																																																																																		
PERCOLATION TANK	[Symbol]																																																																																																																																																																		
NALA BUND	[Symbol]																																																																																																																																																																		
DESILTING TANK	[Symbol]																																																																																																																																																																		
SUBSURFACE DYKE	[Symbol]																																																																																																																																																																		
SOIL CONSERVATION MEASURES	[Symbol]																																																																																																																																																																		
WELL TYPES	[Symbol]																																																																																																																																																																		
RECHARGE WELL	[Symbol]																																																																																																																																																																		
RECHARGE PIT	[Symbol]																																																																																																																																																																		
RECHARGE SHAFT	[Symbol]																																																																																																																																																																		
STORAGE TANK	[Symbol]																																																																																																																																																																		
DIPS	BEDDING	SCHISTOSITY / FOLIATION																																																																																																																																																																	
GENTLE (< 15°)	[Symbol]	[Symbol]																																																																																																																																																																	
MODERATE (15-45°)	[Symbol]	[Symbol]																																																																																																																																																																	
STEEP (45-80°)	[Symbol]	[Symbol]																																																																																																																																																																	
VERY STEEP (> 80°)	[Symbol]	[Symbol]																																																																																																																																																																	
ANTICLINE (ANTIFORM)	[Symbol]	[Symbol]																																																																																																																																																																	
SYNCLINE / SYNFORM	[Symbol]	[Symbol]																																																																																																																																																																	
TREND LINE	[Symbol]	[Symbol]																																																																																																																																																																	
ESCAPMENT	[Symbol]	[Symbol]																																																																																																																																																																	
LITHOLOGY / GEOMORPHIC UNIT BOUNDARY	[Symbol]	[Symbol]																																																																																																																																																																	
FAULT	[Symbol]	[Symbol]																																																																																																																																																																	
THURST	[Symbol]	[Symbol]																																																																																																																																																																	
FRACTURE / LINEAMENT	[Symbol]	[Symbol]																																																																																																																																																																	
FRACTURE / LINEAMENT (Inferred)	[Symbol]	[Symbol]																																																																																																																																																																	
SHEAR ZONE (Confirmed / Inferred)	[Symbol]	[Symbol]																																																																																																																																																																	
DYKE	[Symbol]	[Symbol]																																																																																																																																																																	
QUARTZ REEF	[Symbol]	[Symbol]																																																																																																																																																																	
PEGMATITE VEIN (Confirmed / Inferred)	[Symbol]	[Symbol]																																																																																																																																																																	
SYMBOL	DESCRIPTION																																																																																																																																																																		
NH-34	NATIONAL HIGHWAY																																																																																																																																																																		
SH-12	STATE HIGHWAY																																																																																																																																																																		
[Symbol]	METALLED ROAD																																																																																																																																																																		
[Symbol]	OTHER ROAD																																																																																																																																																																		
[Symbol]	RAILWAY																																																																																																																																																																		
[Symbol]	CITY / VILLAGE																																																																																																																																																																		
[Symbol]	HABITATIONS : NON - COVERED (NC), PARTIALLY COVERED (PC)																																																																																																																																																																		
[Symbol]	BOUNDARY :																																																																																																																																																																		
[Symbol]	INTERNATIONAL																																																																																																																																																																		
[Symbol]	STATE																																																																																																																																																																		
[Symbol]	DISTRICT																																																																																																																																																																		
[Symbol]	BLOCK																																																																																																																																																																		
STATE INDEX	DISTRICT INDEX																																																																																																																																																																		
[Map of India]	[Map of West Bengal]																																																																																																																																																																		
[Map of Jalpaiguri District]	[Map of Jalpaiguri District]																																																																																																																																																																		
BLOCK INDEX	MAPSHEET INDEX																																																																																																																																																																		
[Map of Jalpaiguri District]	[Map of Jalpaiguri District]																																																																																																																																																																		
PREPARED BY GEOINFORMATICS & REMOTE SENSING CELL WEST BENGAL COUNCIL OF SCIENCE AND TECHNOLOGY DEPARTMENT OF SCIENCE AND TECHNOLOGY GOVERNMENT OF WEST BENGAL 4TH FLOOR, BIKASH BHAVAN SALT LAKE, KOLKATA 700 091	TECHNICAL GUIDANCE & QUALITY CHECK NATIONAL REMOTE SENSING CENTRE INDIAN SPACE RESEARCH ORGANISATION (ISRO) DEPT. OF SPACE, GOVT. OF INDIA BALANAGAR, HYDERABAD - 500 625	PARTICIPATING ORGANIZATIONS PHED, GOVT. OF WEST BENGAL GEOINFORMATICS & REMOTE SENSING CELL WEST BENGAL COUNCIL OF SCIENCE AND TECHNOLOGY, GOWB STATE WATER INVESTIGATION DIRECTORATE, GOWB	METHODOLOGY & PROJECT EXECUTION NATIONAL REMOTE SENSING CENTRE INDIAN SPACE RESEARCH ORGANISATION (ISRO) DEPT. OF SPACE, GOVT. OF INDIA BALANAGAR, HYDERABAD - 500 625	SPONSORED BY RAJIV GANDHI NATIONAL DRINKING WATER MISSION (PHASE IV) DEPARTMENT OF DRINKING WATER SUPPLY (DDWS) MINISTRY OF DRINKING WATER AND SANITATION (MDS) GOVERNMENT OF INDIA NEW DELHI																																																																																																																																																															