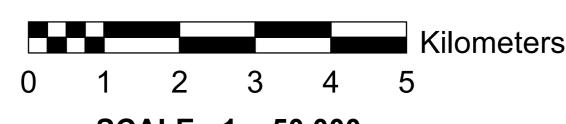
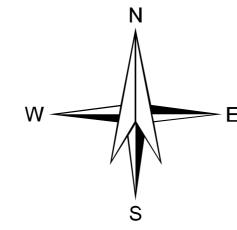
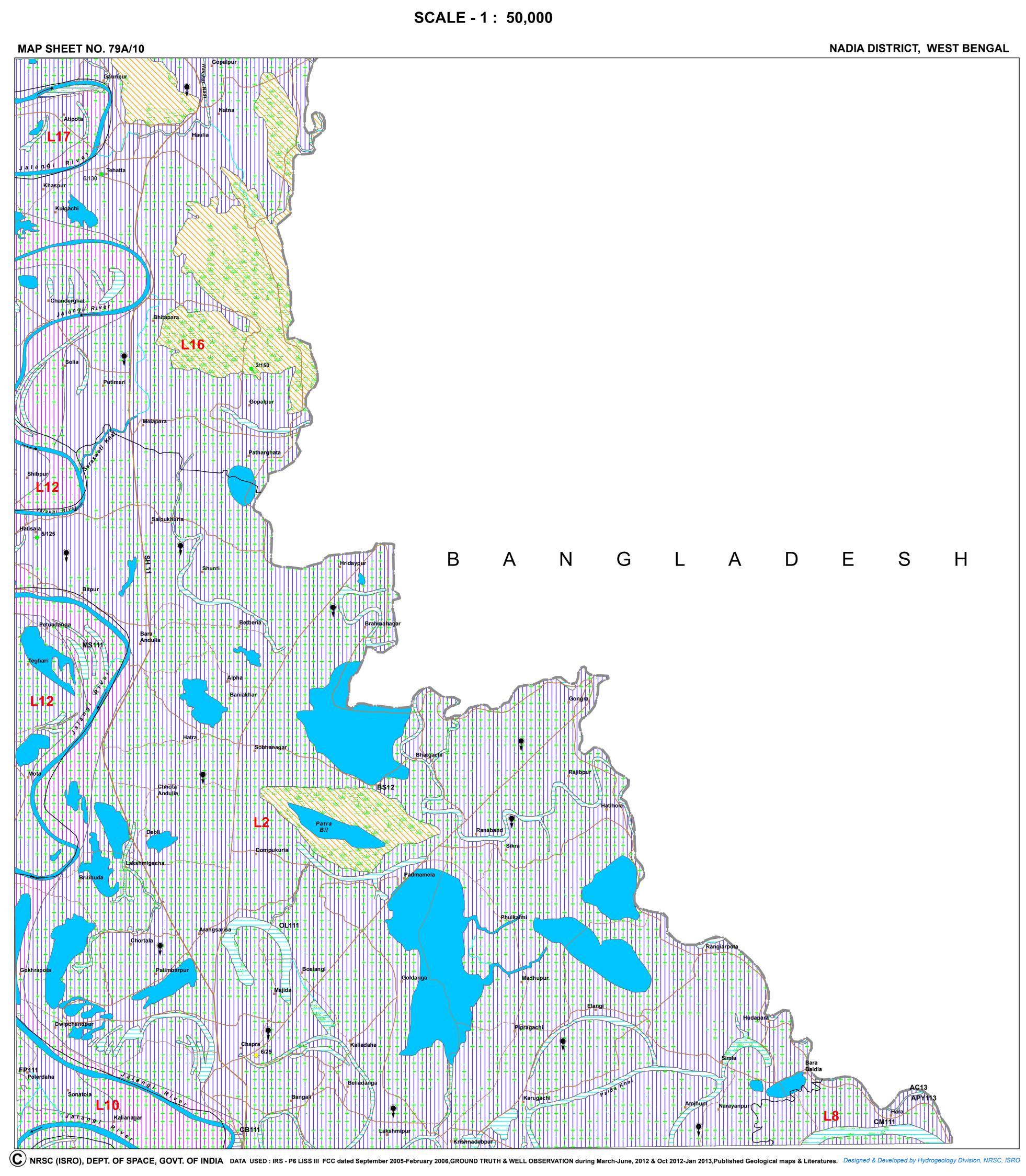
## GROUND WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)







## LEGEND

MAP UNIT	GEOLOGICAL SEQUENCE / ROCK TYPE		GEOMORPHIC UNIT / LANDFORM	DEPTH TO WATER LEVEL	RECHARGE CONDITIONS	GROUND WATER PROSPECTS							RECHARGE STRUCTURES	
EPRESENTED IN THE MAP WITH HANUMERIC CODE  DLOUR INDICATES ELD RANGE AND ICHING INDICATE DEPTH RANGE)	( REPRESEN THE MAP ' NUMERIC (	WITH	( REPRESENTED IN THE MAP WITH ALPHABETIC CODE )	PRE / POST- MONSOON (AVERAGE IN METERS)  NO. OF WELLS OBSERVED	BASED ON AVAILABILITY OF WATER  (RAINFALL & OTHER SOURCES)	AQUIFER MATERIAL  LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL IR = IMPERIVIOUS ROCK	TYPE OF WELLS SUITABLE  DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DBW /= 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 <sup>3</sup> / day)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY)  VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER POTABLE (P) NON - POTABLE (NP) (INDICATE REASONS IF NON POTABLE)	GROUND WATER IRRIGATED AREA (APPROX . RANGE IN PERCENTAGE)	SUITABLE & PRIORITY  PT = PERCOLATION TANK CD = CHECK DAM NB = NALA BUND RW = RECHARGE WELL DT = DESILTING OF TANK RP = RECHARGE PIT SD = SUBSURFACE DYKE RS = RECHARGE SHAFT ST = STORAGE TANK SCM = SOIL CONSERVATION MEASURE	REMARKS (PROBLEMS / LIMITATIONS)
CB111		Alluvium (Sand Dominant) (111)	Channel Bar (CB)	No well observed	Excellant	LS	TW	5-10 m	400-500 LPM	Very High	P	Nil	Not Required	Groundwater prospects very hig with high recharge potential. Recharge structures not required
+ C			Ox-bow Lake (OL)	No well observed	Very Good	LS	TW	10-15 m	200-300 LPM	Very High	P	Nil	Not Required	Groundwater prospects very hig with high recharge potential. Recharge structures not require
CM111 &	Present Day		Cut-off Meander (CM)	No well observed	Very Good	LS	RW TW	10-15 m	200-300 LPM	Very High	Р	Nil	Not Required	Groundwater prospects very hig with high recharge potential. Recharge structures not require
MS111			Meander Scar (MS)	No well observed	Good	LS	RW TW	10-15 m	200-250 LPM	High	P	Nil	Not Required	Groundwater prospects very hig with high recharge potential. Recharge structures not required
FP111			Flood Plain (FP)	No well observed	Very Good	LS	TW	>150 m	>800 LPM	Very High	Р	60	Not Required	Groundwater prospects very hig with high recharge potential. Recharge structures not required
<u> </u>	Clay D	uvium ominant) 12)	Backswamp (BS)	3/2 1	Poor	LS	TW	60-70 m	40-50 LPM	Low	P	Nil	Not Required	Areas of low groundwater poten Better potential at greater depths
	Allu	ıvium ilt & Clay) 13)	Abandoned Channel (AC)	No well observed	Very Good	LS	RW TW	10-15 m	250-300 LPM	Very High	Р	Nil	Not Required	Areas of very high groundwater potential at shallow depth.Most suitable for extraction of ground
APY113	Alli Sand (Sand	uvium and Silt) 113)	Alluvial Plain Younger (APY)	<u>6 / 4</u> 3	Good	LS	TW	100-120 m	400-500 LPM	High	NP (As & Fe) [At shallow depth]	60	RW Low	Areas with high Arsenic and Iron concentration.Potable water available at depth range above 1
F//Q D /QQ / D /QQ /						rd rocks. Along these zones, to		ther and wells are lik	ely to be sustainable	for longer duration. He	owever, the inferred fract	ures need to be com	firmed by detailed ground surveys	S.

