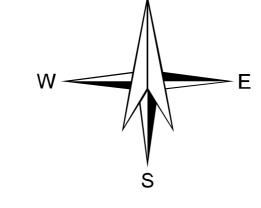
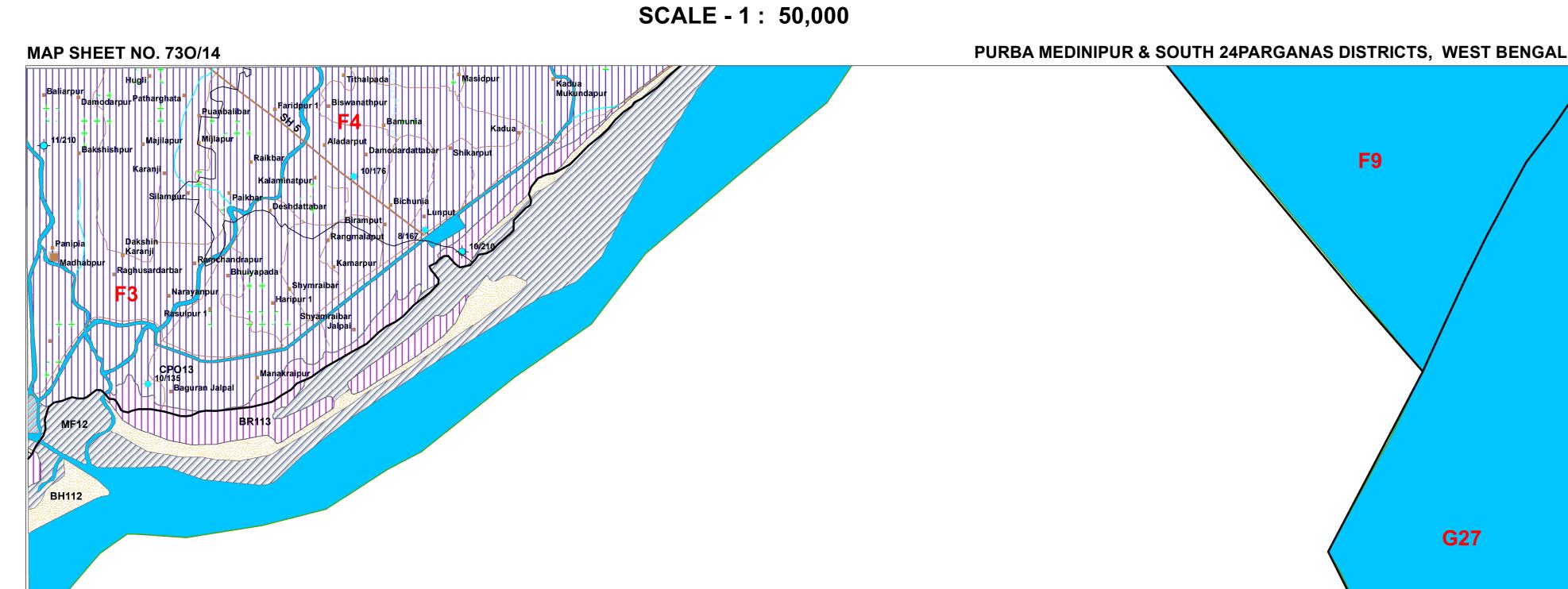
## GROUND WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)







NRSC (ISRO), DEPT. OF SPACE, GOVT. OF INDIA DATA USED: IRS - P6 LISS III FCC dated September 2005-February 2006, GROUND TRUTH & WELL OBSERVATION during March-June, 2012 & Oct 2012-Jan 2013, Published Geological maps & Literatures. Designed & Developed by Hydrogeology Division, NRSC, ISRO

LEGEND

MAP UNIT  (HYDROGEOMORPHIC UNIT)  REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE  (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	GEOL	LOGICAL SEQUENCE / ROCK TYPE	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 &								
		( REPRESENTED IN THE MAP WITH NUMERIC CODE )				AQUIFER MATERIAL  LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL	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	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	REMARKS (PROBLEMS / LIMITATIONS)
BR113	Active Estuarine Deposits (Present Day)	Alluvium (Sand and Silt) (113)	Beach Ridge (BR)	13/8 1	Very Good	IR = IMPERIVIOUS ROCK  LS	TW	150-250 m	>800 LPM	Very High	NP (Salinity) [At Shallow depth]	Nil	Not Required	Areas affected by Salinity. Fresh water available at depth ranges of 150-250m
	Ancient Estuarine Deposits (Early to Late Holocene)	Alluvium (Sand,Silt & Clay) (13)	Coastal Plain Older (CPO)	12 / 7 4	Good	LS	TW	150-250 m	600-800 LPM	High	NP (Salinity) [At shallow depth]	4	Not Required	Areas affected by Salinity. Fresh water aquifers found at depth ranges of 150m and above.
F//Q D /QQ D /QQ						hard rocks. Along these zone for ground water moveme	.				extraction of grou		onfirmed by detailed ground surveys	S.

