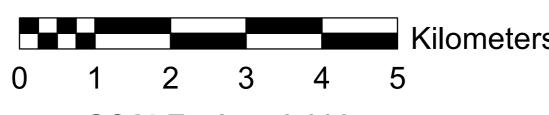
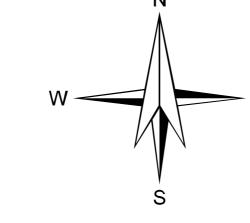
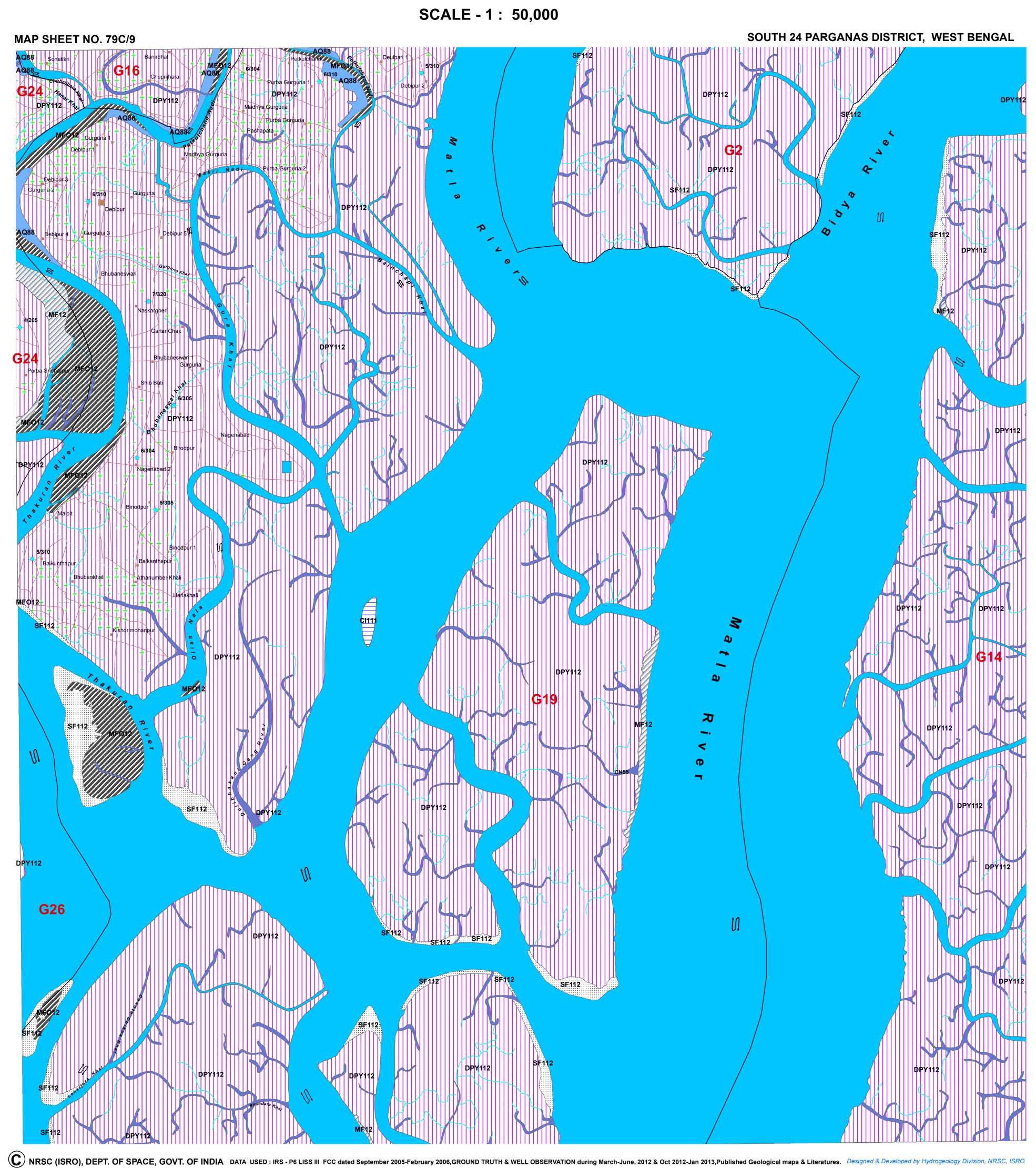
GROUND WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)







L E G E N D

COLUMN C	MAP UNIT	GEOL	OGICAL SEQUENCE /	GEOMORPHIC	DEPTH TO	RECHARGE		GRO	UNDW	ATERP	ROSPE	СТЅ		RECHARGE	
Allocation (and continued for the property of	REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE		ROCK TYPE (REPRESENTED IN THE MAP WITH	(REPRESENTED IN THE MAP WITH	(AVERAGE IN METERS) NO. OF WELLS	CONDITIONS BASED ON AVAILABILITY OF WATER (RAINFALL & OTHER	LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED MATERIAL	SUITABLE DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DRW /= DUG CUM-BORE WELL /	OF WELLS (SUGGESTED) MIN - MAX	OF WELLS (EXPECTED)	IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY) VERY HIGH HIGH MODERATE	WATER POTABLE (P) NON - POTABLE (NP)	WATER IRRIGATED AREA (APPROX . RANGE	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	
DPY112	CI111	li/Bhagirathi Formation/Present day Deposit: (Present Day)	(Sand Dominant)		No Well Observed	Excellent	LS	TW	5-10 m	400-500 LPM	Very High	P	0	Not Required	Groundwater prospects very h with high recharge potential. Recharge structures not requir
	DPY112	tive Estuarine (Present D	Alluvium (Sand and Silt) (112)	Deltaic Plain Younge (DPY)		Good	LS	TW	>250 m	>800 LPM	High	(Salinity at	4	Not required	Areas affected by salinity.Fresh available at depth ranges >250m

GROUND WATER PROSPECTS INFORMATION			HYDROLOGICAL INFORMATION			STRUCTURAL INFORMATION			BASE	MAP INFORMATION	LOCATION INFORMATION				
YIELD COLOUR DEPTH RANGE OF WELLS		DESCRIPTION SYMBOL		DIPS BEDDING SCHISTOSITY/ FOLIATION		SYMBOL	DESCRIPTION	STATE INDEX DISTRICT IND							
RANGE OF WELLS	COLOUR CODE	SHALLOW	1	DEEP	CANAL / 1	ANK IRRIGATED AREA	de	GENTLE (<15)	/	A	NH - 2	NATIONAL HIGHWAY		A-BIRBHUM B-BARDDHAMAN	^
OF WELLS		< 30 METERS	30 - 80 METERS	> 80 METERS	GROUND V	WATER IRRIGATED AREA	+ + +	MODERATE (15 - 4	(5)	A				C-PURULIYA D-BANKURA	N
> 800 LPM	VIOLET				RIVER / STREAM (with sand)			STEEP (45 - 80)	/s	Á	SH - 9	STATE HIGHWAY		E-PASCHIM MEDINIPUR F-PURBA MEDINIPUR G-S24 PARGANAS	A CONTRACTOR OF THE PROPERTY O
					WATER	BODY / SPRING	<u></u> ≰/ ŏ	SUB - VERTICAL TO VERTICAL (> 8	80)	×		METALLED ROAD		H-HOWRAH I- KOLKATA J-N24 PARGANAS	M
100 - 800 LPM	INDIGO				 	ANAL	111111111	ANTICLINE / ANTIF	ORM	←←		OTHER ROAD	INDIA	- Total	35
					1 1	JAGE STATION nnual rainfall in mm)	≜ 800					OTHER ROAD		C D	B
200 - 400 LPM	BLUE				PERCOLATION	RECHARGE STRUCTURE	1 1	SYNCLINE / SYNFORM ←			RAILWAY		WEST	- Erre	K J
					NALA BUND	 	CHECK DAM RECHARGE WELL	TREND LINE					BENGAL	K-HUGLI	5
00 - 200 LPM	GREEN				DESILTING OF SUBSURFACE	DYKE IIIIIII	RECHARGE PIT			ATTIME .		CITY / VILLAGE	. 🗸	L-NADIA M-MURSHIDABAD N-MALDAH	
				<u> </u>	SOIL CONSER MEASURES	VATION AAA	RECHARGE SHAFT A STORAGE TANK	ESCARPMENT	`` `	Market M		HABITATIONS : NON - COVERED (NC)		N-WALDAR	
0 - 100 LPM	YELLOW				YIELD RANGE		RANGE DUG WELL /	LITHOLOGY / GEOMO	ORPHIC UNIT			PARTIALLY COVERED (PC)			
					IN LPM	TUBE WELL IN m ³ / c	day RING WELL m³ / day 8/15	BOUNDARY	MINOR	MAJOR		BOUNDARY:	BLOCK INDEX	MAPSHEET	T INDEX
30 - 50 LPM ORANG	ORANGE				400 - 800 LPM	- 15/70 200 - 400	m³ / day 8/15	FAULT	FF	F——F		INTERNATIONAL	G1/ G2		
		200 - 400 LPM			THRUST	тт	Т——Т		STATE		79B08 79B12	2 79B16			
20 - 30 LPM BROWN		100 - 200 LPM 50 - 100 LPM	¥ 00 100	m³ / day	FRACTURE / LINEAMEN	1			DISTRICT	G2)					
			30 - 50 LPM		,	FRACTURE / LINEAMEN (Inferred)	1			BLOCK	G19	79C05 79C09	9 79C13		
0 - 20 LPM PINK			20 - 30 LPM		,	SHEAR ZONE	(Confirmed / Inferred)	s s/s s		THER INFORMATION	G14				
					10 - 20 LPM	- \(- \) 15/70 5 - 10 i	m ³ / day	DYKE	(Confirmed / Inferred)	DD		MEN III GRIBATION	G26)	79C06 79C10	0 79C14
rospects mited to valley ortions only					< 10 LPM	→ 15/70 < 5 r	m³ / day • 8/15		(O	Q-0/Q-1-Q	Raiı	nfall: 1876 mm			75511
lills, Plateaus c.)	RED						nge. The figures on the top right level and depth of well in meters	QUARTZ REEF	(Confirmed / Inferred)	1			G2-BASANTI G19-KULTALI G14-GOSABA G24-MATHURAPUR II		-
Run-off zone/ Barrier for					DUG -	CUM- BORE WELL	HAND PUMP WELL	PEGMATITIE VEIN	(Confirmed / Inferred)	P—————————————————————————————————————	(\$	Source IMD)	G16-JAYNAGAR II G26-PATHARPRATIMA	\	
.W. movement			(Inselberg / R	dge / Dyke etc.)	ARTI	ESIAN WELL	OBSERVATION WELL OF G.W DEPT. / C.G.W.B.	Lithologic contacts a are gradational	are inferred at places &	Geomorphic boundaries					
	PREPARED BY TECHNICAL GUIDANCE & QUALITY CHECK				QUALITY CHECK	PARTICIPATING ORGANIZATIONS			METHODOLO	METHODOLOGY & PROJECT EXECUTION		SPONSORED BY			
GEOINFORMATICS & REMOTE SENSING CELL 3. STATE COUNCIL OF SCIENCE AND TECHNOLOGY DEPARTMENT OF SCIENCE AND TECHNOLOGY			इस्रो डिन्च NATIONAL REMOTE SENSING CENTRE			SURVEY OF INDIA GEOLOGICAL SURVEY OF INDIA			इसरो ंडाव		RAJIV GANDHI NATIONAL DRINKING WATER MISSIO (PHASE IV) DEPARTMENT OF DRINKING WATER SUPPLY (DDWS				
									NATIONAL RE	MOTE SENSING CENTRE					
DEPARTMENT OF SCIENCE AND TECHNOLOGY GOVERNMENT OF WEST BENGAL			INDIAN SPACE RESEARCH ORGANISATION (ISRO)			PHED, GOVT. OF WEST BENGAL				ESEARCH ORGANISATION (ISRO)	DEPARTMENT OF DRINKIN MINISTRY OF DRINKIN		•		
4TH FLOOR, BIKASH BHAVAN			DEPT. OF SPACE, GOVT. OF INDIA			STATE WATER INVESTIGATION DIRECTORATE, GOWB			DEPT. OF	SPACE, GOVT. OF INDIA	1	ENT OF INDIA			
SALT LAKE, KOLKATA 700 091			BALANAGAR, HYDERABAD - 500 625			P.S.MAPS (LAND	P.S.MAPS (LAND RECORD), GOVT OF WEST BENGAL			AR, HYDERABAD - 500 625	1	DELHI			