

LEGEND

IYDROGEOMORPHIC	GEOLOGICAL SEQUENCE / ROCK TYPE	GEOMORPHIC	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	
UNIT) REPRESENTED IN THE MAP WITH PHANUMERIC CODE COLOUR INDICATES VIELD RANGE AND ATCHING INDICATE DEPTH RANGE)	(REPRESENTED IN THE MAP WITH NUMERIC CODE)	UNIT / LANDFORM (REPRESENTED IN THE MAP WITH ALPHABETIC CODE)			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 / 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 MEASURES	REMARKS (PROBLEMS / LIMITATIONS)
CB111 S O O O O O O O O O O O O O O O O O		Channel Bar (CB)	No well observed	Excellent	LS	TW	5-10 m	400-500 LPM	Very High	P	Nil	Not Required	Groundwater prospects very hi with high recharge potent Recharge structures not require
n/Present day	rathi Formation/Present day (Present Day) (I111) (Include the sent day) (I111)	Ox-bow Lake (OL)	No well observed	Very Good	LS	TW	10-15 m	200-300 LPM	Very High	P	Nil	Not Required	Groundwater potential below surface water level.
MS111		Meander Scar (MS)	No well observed	Good	LS	TW	10-15 m	200-250 LPM	High	Р	Nil	Not Required	Groundwater prospects very h with high recharge poten Recharge structures not requi
FP111		Flood Plain (FP)	No well observed	Very Good	LS	TW	100-200 m	250-350 LPM	Very High	NP (As) [At shallow depth]	38	Not Required	Groundwater prospects very h with high recharge poten Recharge structures not requi
a/Basudebpur/	(Clay Dominant)	Backswamp (BS)	No well observed	Poor	LS	TW	60-70 m	40-50 LPM	Low	P	Nil	Not Required	Areas of low groundwater poter Better potential at greater dep
AC13	Early to Late Holocene) (Jalpaiguri/Ganga-Koshi (Sand,Silt & Clay) (Sand,Silt & Clay) (13)	Abandoned Channel (AC)	No well observed	Very Good	LS	TW	10-15 m	250-300 LPM	Very High	P	4.22	Not Required	Areas of very high groundwater potential at shallow depth.Most suitable for extraction of groundw
Aramb	Malda (Alluvial Plain Younger (APY)	10 / 7 100	Good	LS	TW	150-250 m	200-300 LPM	High	NP (As&Fe) [At shallow depth]	37	RW Low	Areas with high Arsenic and Iro concentration.Potable water available at deeper depth.

