

LEGEND

Part	MAP UNIT	GEOL	THE MAP WITH	THE MAP WITH	(AVERAGE IN METERS) NO. OF WELLS	AVAILABILITY OF WATER (RAINFALL & OTHER	GROUND WATER PROSPECTS						RECHARGE STRUCTURES	REMARKS	
	REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE	ED IN ITH C CODE CATES AND CATE					LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL IR = IMPERVIOUS ROCK	SUITABLE DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DBW /= 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) (INDICATE REASONS IF	WATER IRRIGATED AREA (APPROX : RANGE	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	(PROBLEMS / LIMITATIONS)
## P3 11 P3 12 P4	CB111	athi Formation/ ay Deposits nt Day)	(Sand Dominant)			Excellent	LS	TW	5-10	400-500 LPM	Very High	Р	42%	Not Required	with high recharge potential.
All	PB111	Hugli/Bhagira Present d (Prese	(Sand Dominant)		<u>6</u> 1	Very Good	LS	RW TW	5-10	300-400 LPM	Very High	Р	7%	Not Required	with high recharge potential.
## PSS3 PFSS3 PFSS	APY113	ura/Arambagh/Chin ga-Koshi Formatioı y to Late Holocene	(Sand Dominant)			Very Good	LS				Very High	Р	50%	Not Required	alluvium. Recharge structures not required as good recharge conditions
PRSS1 PRSS1 PRSS2 PRSS2 PRSS3 PRSS	VFS531	Δ.				Good	Underlain by	TW / BW	20 - 25	75 - 100 LPM	Moderate	Р	Nil	Not Required	Aquifer conditions modified by coal minir activities Groundwater development may not be sustainable in the long run. Areas piped water supply
PSSA2 PSSA	BPS531		(Raniganj Formation)	Shallow		Moderate	WM+FR				Low	Р	Nil	Not Required	Aquifer conditions modified by coal minir activities Groundwater development may not be sustainable in the long run. Areas piped water supply
PRSS22 P	VFS54	a				Moderate	Underlain by	TW / BW	30 - 50	50 - 75 LPM	Moderate	Р	Nil		recharge structures will improve the
PRSSA2 P	BPS54	ergrou assic)	(Barren Measure)	Shallow		Limited	WM+FR				Low	Р	10%		Prospects limited along fracture zones
PPS532 PPS532	PPS54	ndwana Su (Carboniferous to	(04)	Shallow		Poor	FR				Low	Р	Negligible		Recharge structures may help
PPS532 P	VFS532		with Coal (Barakar Formation)			Moderate	Underlain by	TW / BW	20 - 25	75 - 100 LPM	Moderate	Р	Nil		Aquifer conditions modified by coal mini activities Groundwater development ma not be sustainable in the long run. Areas piped water supply
BPS513 With Sandstone (Talchir Formation) (S13) With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes With Sandstone form the quifer Better prospects along fracture 20nes Wasthered Pediplain Shallow (BPS) Walley Fill Shallow (VFS) No wells observed Moderate WM+FR DW 5-10 15-25 m²/day TW / BW 40-60 75-100 LPM Moderate P Negligible RP Negligible RP Recharge structures will improve groun water prospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects Wasterprospects No wells Shallow (BPS) Wasterprospects No wells Shallow (BPS) Wasterprospects No wells Shallow (BPS) No wells Shallow (BPS) Wasterprospects No wells Shallow (BPS) No wells Observed DW 5-10 10-15 m²/day Low P Negligible RP Negligible RP High No wells Observed PR Recharge structures will improve sustainability of groundwater sources Wasterprospects Wasterprospects Wasterprospects Wasterprospects No wells Shallow (BPS) DW 5-10 5-10 m²/day Low P Nill RP Nill RP Nill RP Nill RP Nill RP High Wasterprospects No wells observed P No derate P Negligible RP Nill RP	PPS532			Shallow		Limited	FR				Low	Р	Nil	Not Required	Aquifer conditions modified by coal minimactivities. Groundwater development may not be sustainable in the long run. Areas piped water supply
Valley Fill Shallow (VFS) Valley Fill Shallow (VFS) Valley Fill Shallow (VFS) Valley Fill Shallow (VFS) No wells observed Moderate Underlain by WM+FR TW / BW 30 - 80	BPS513		with Sandstone (Talchir Formation)	Shallow		Moderate	WM+FR				1	Р	Nil		Sandstone form the aquifer.Better
BPS832 Buried Pediplain Moderate (BPM) No wells observed Moderate (BPM) Moderate P	VF\$832	plex .yrs)	Cranitaid Chaica	1 ,		Moderate	Underlain by	TW / BW	30 - 50	150 - 175 LPM	Moderate	Р	Negligible		
BPS832 Buried Pediplain Shallow (BPS) DW - 5 Limited WM+FR DW TW / BW 40 - 60 To 10 - 15 m / day TW / BW TW / BW /	BPM832	sic Co - 2400 m		Moderate		Moderate	WM+FR				Moderate	Р	50%	I	Recharge structures will improve ground water prospects
Weathered Pediplain Shallow (PPS) Weathered Pediplain Shallow (PPS) Weathered Pediplain Shallow (PPS) No wells observed Poor FR DW 5 - 10 m³/day Low P Nil RP High Due to high run-off and poor infiltration and	BDS832	ur Gn zoic-2		Shallow		Limited	WM+FR				Low	Р	Negligible		
		ota wer		Shallow		Poor	FR				Low	Р	Nil	RP High	maintain sustainability of groundwater

