

MAP UNIT (HYDROGEOMORPHIC UNIT) REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	GEOLOGICAL SEQUENCE / ROCK TYPE (REPRESENTED IN THE MAP WITH NUMERIC CODE)	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	REMARKS
					AQUIFER MATERIAL LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL IR = IMPERVIOUS ROCK IM = IMPERVIOUS 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 ³ / 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 MEASUR	(PROBLEMS / LIMITATIONS)
VF\$832	Chhotanagpur Granite Gneiss Complex (Lower Proterozoic,2300 - 2400mill.yrs.) By Sieus Sie	Valley Fill Shallow (VFS)	No wells observed	Moderate	LS Underlain by WM+FR	TW / BW	30 - 50	150 - 175 LPM	Moderate	Р	10%	CD/DT Moderate	Prospects inferred as no wells observed Recharge condition is moderate with moderate groundwater prospects
BPM832		Buried Pediplain Mederate (BPM)	No wells observed	Moderate	WM+FR	DW TW / BW	5 - 10 40 - 50	15 - 25 m ³ / day 150 - 175 LPM	Moderate	Р	Nil	Not Required	Very small units without settlements, recharge structures not required
BPS832		Buried Pediplain Shallow (BPS)	2.52 - 6.59 DW - 13 HP - 2	Limited	WM+FR	DW TW/BW	5 -10 40 - 60	10 - 15 m ³ / day 75 - 100 LPM	Low	Р	10%	RP/DT High	Recharge structures will improve sustainability of groundwater sources
PPS832		Weathered Pediplain Shallow (PPS)	No wells observed	Poor	FR	DW TW / BW	5 - 10 40 - 60	5 - 10 m ³ / day 30 - 50 LPM	Low	Р	Nil	RP High	Due to high run off and poor infiltration, recharge structures are required to main sustainability of groundwater sources
BJ\$832		Bajada Shallow (BJS)	5.94 - 6.09 DW - 1 HP - 1	Moderate	LS Underlain by WM+FR	DW TW / BW	10 - 15 90 - 100	15 - 25 m ³ / day 150 - 175 LPM	Ivioderate	Р	40%	Not Required	Recharge is moderate. Better yields at greater depths within fractured rock
RH832		Residual Hill (RH)	No wells observed	_	_	_	_	_	_	_	_	_	Run-off zone.Not suitable for ground water development
DHM832		Denudational Hill/ Moderately dissected (DHM)	No wells observed	_	_	_	_	_	_	_	_	_	Run-off zone.Not suitable for ground water development
VFS923	Metamorphics (Older Metamorphics) (Archean) (SEG6) sping (Archean) (Archean)	Valley Fill Shallow (VFS)	No wells observed	Moderate	LS Underlain by WM+FR	TW / BW	30 - 50	100 - 125 LPM	Moderate	Р	35%	CD/DT Moderate	Prospects inferred as no well observed Recharge condition is moderate with moderate groundwater prospects
BPM923		Buried Pediplain Moderate (BPM)	No wells observed	Moderate	WM+FR	DW TW / BW	5 - 10 40 - 50	10 - 15 m / day	Moderate	Р	10%	Not Required	Very small units without settlements, recharge structures not required
BPS923		Buried Pediplain Shallow (BPS)	3.86 - 7.2 DW - 5 HP - 2	Limited	WM+FR	DW TW / BW	5 -10 40 - 60	5 - 10 m / day 50 - 75 LPM	Low	Р	5%	RP High	Recharge structures will improve sustainability of groundwater sources
PPS923		Weathered Pediplain Shallow (PPS)	No wells observed	Poor	FR	DW TW / BW	5 - 10 40 - 60	5 - 10 m ³ / day 30 - 50 LPM	Low	Р	Negligible	RP High	Due to high run-off and poor infiltration recharge structures are required to maintain sustainability of ground water sources
BJS923	n c l a s s i fi e d	Bajada Shallow (BJS)	No wells observed	Moderate	LS Underlain by WM+FR	DW TW / BW	10 - 15 90 - 100	10 - 15 m ³ / day	Moderate	Р	Negligible	Not Required	Recharge is moderate. Better yields at greater depths within fractured rocks
RH923		Residual Hill (RH)	No wells observed	_	_	_	_	_	_	_	_	_	Run-off zone, not suitable for ground water development
F// -	These are a	(RH) fault / fracture zones, which go re dykes, quartz reefs and range of wells may vary w	observed enerally act as conduits for mo	evement of ground water senerally act as barries	in hard rocks. Along these zoons for ground water mover	mes, the yields are significa ment.	ntly higher and wells	are likely to be susta	inable for longer dura	ation. However, the infe	rred fractures need to	be confirmed by detailed ground	water development surveys. e ground water prospects.
GROUND WATER PROSPECTS INFORMATION HYDROLOGICAL INFORMATION PESCRIPTION SYMBOL					STRUCTURAL INFORMATION SCHISTOSITY/				BASE MAP INFORMATION			LOCATION INFORMATION	
YIELD RANGE OF WELLS OF WELLS DEPTH RANGE OF WELLS DESCRIPTION SYMBOL CANAL / TANK IRRIGATED AREA SO METERS SO METERS SO METERS SYMBOL CANAL / TANK IRRIGATED AREA GROUND WATER IRRIGATED AREA F → F				DIPS BEDDING SCHISTOSITY/ FOLIATION GENTLE (<15)				SYMBOL DESCRIPTION NH - 2 NATIONAL HIGHWAY			STATE	INDEX DISTRICT INDEX	

