# REPORT ON FEASIBILITY OF GROUNDWATER FOR CONSTRUCTION OF WELL/ BORE WELL/ FILTER POINT/ INFILTRATION WELL/ TUBE WELL

#### I. GENERAL:

1	Investigation conducted by	
2	Date and duration of Investigation	
3	Name of the beneficiary/ organisation.	
4	Purpose of investigation and requirement of water.	
5	Location:	
	Village	
	Mandal	
	District	
	Survey No	
	Extent of the area in ha.	
	Coordinates and distance and direction with reference to village central point.	

## II. PHYSIOGRAPHY AND DRAINAGE:

1	Topography	
2	Soil type and thickness	
3	Drainage pattern	
4	Elevation (MSL) in m.	
5	Sub-basin name, categorisation and stage of development in the basin.	
6	Average annual rainfall in mm.	
7	Tanks/ Reservoirs/ Canals.	
8	Proximity to surface water bodies	
9	Stream/ Reservoir (influent/ effluent).	
10	Command/ Non-Command.	

# III. HYDROGEOLOGICAL CONDITIONS:

1	Geology of the area (Rock type & texture)	:
2	Average thickness of weathered zone	:
3	Structural controls if any	:
4	Depth range of wells in the area	:
	(1) Dug wells	:
	(2) Bore wells	:
5	Yield range of wells	:
	(1) Dug wells	:
	(2) Bore wells	:
6	Area irrigated under each well	:
	(1) Dug wells	:
	(2) Bore wells	:
7	Location of nearest Piezometer, depth to water level in the Piezometer and water level trend.	:

# IV. HYDROGEOLOGICAL EVIDENCE:

Well inventory date (2 Kms radius from the investigated area).

S 1 N o	Type of well	Name of the Owner	Survey No	Dia and depth of well in m	SWL in m.bgl	Mode of lift with HP	Yield in lph and hours of pumping	Cropping pattern and area irrigated in ha Kharif/ Rabi	Remarks
1	2	3	4	5	6	7	8	9	10

#### V. RESULTS OF GEOPHYSICAL INVESTIGATIONS:

VES No and Location	ρ1	Н1	ρ2	Н2	ρ3	НЗ	ρ4	Н4	Н	Remarks
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[Note:- The interpreted data with curves to be submitted to the concerned Deputy Director's of Groundwater Department of the district]

VI	QUALITY OF GROUNDWATER	•	Potable/ Suitable for irrigation/ saline/ brackish.
VII	SUGGESTIONS FOR IMPROVING RECHARGE TO GROUNDWATER	:	

## VIII. CONCLUSIONS AND RECOMMENDATIONS:

1	Justification for recommending/ rejecting the site	:	
2	If recommended, Type of well recommended with dia. and depth.	:	
3	Location of recommended site with reference to permanent land mark.	:	
4	Distance of nearest well	:	
5	Expected yield in lph.	:	
6	Expected area to be irrigated and recommended cropping pattern.	:	
7	Date of submission of report.	:	

IX	SKETCH OF THE AREA	:	

SIGNATURE OF THE INVESTIGATING OFFICER Hydrogeologist / Geophysicist

Regd no:-