

**REPORT ON DETAILED SOIL SURVEY AND LAND USE OF  
Nf4q and Nf6f SUBWATERSHEDS, NARMADA CATCHMENT,  
TAHSIL : BHAGWANPURA AND KHARGON, DISTRICT : KHARGON,  
MADHYA PRADESH**

**A B S T R A C T**

1. (a) **Surveyed Area** : Subwatersheds Nf4q and Nf6f. Narmada catchment, Tahsil - Bhagwanpura and Khargon of Khargon District, Madhya Pradesh.
2. a) **Total Area (reported and mapped)** : 6231 ha.
- b) **Type of Survey** : Detailed Soil Survey.
- c) **Period of Survey** : May to June, 1998.
- c) **Agro-climatic Zone** : Western Plateau and Hills.
3. (i) **Soil Series Mapped and Their Extent (ha) :**

Sr. No.	Name of Soil Series	Total Area in ha.	Subwatersheds	
			Nf4q	Nf6f
1	2	3	4	5
1.	Amla (A)	977 (17.5)	19 (0.7)	958 (31.8)
2.	Chhipabad (CH)	121 (2.1)	-	121 (4.0)
3.	Dhanwara (DN)	221 (4.0)	194 (7.5)	27 (0.9)
4.	Khardi (KH)	515 (9.2)	206 (8.0)	309 (10.3)
5.	Naghatti (NG)	62 (1.1)	62 (2.4)	-
6.	Palkha (PL)	469 (8.4)	111 (4.3)	358 (11.7)

1	2	3	4	5
7.	Penpura (PN)	890 (16.0)	167 (6.5)	723 (24.0)
8.	Piplya (P)	62 (1.1)	46 (1.8)	16 (0.5)
9.	Pokharni (PR)	453 (8.1)	144 (5.6)	309 (10.2)
10.	Relwan (RN)	1004 (17.9)	1004 (38.9)	- -
11.	Uda (U)	454 (8.1)	403 (15.6)	51 (1.7)
12.	Umarkhali (UK)	364 (6.5)	223 (8.7)	141 (4.7)
	<b>Total</b>	<b>5592</b>	<b>2579</b>	<b>3013</b>
	<b>%</b>	<b>100</b>	<b>100</b>	<b>100</b>
ii)	Other features including habitations River, Nala, Tank, Rock out crops, Road etc.	639	40	599
	<b>Grand Total</b>	<b>6231</b>	<b>2619</b>	<b>3612</b>

#### 4. Land Capability Classification :

Land Capability Subclass	Subwatersheds		Total Area (ha) (%)	Soil Series
	Nf4q	Nf6f		
1	2	3	4	5
IIs	33 (1.3)	<del>20</del> (1.0)	53 (1.2)	Chhipabad Relwan
IIs	1032 (40.0)	80 (4.0)	1112 (24.4)	Chhipabad Dhanwara Relwan
IIIs	551 (21.4)	376 (19.0)	927 (20.3)	Chhipabad Dhanwara Piplya Pokhari Uda
IVes	806 (31.3)	1155 (58.2)	1961 (43.0)	Dhanwara Khardi Naghatti Penpura Pokharni Uda Umarkhali
VIes	138 (5.3)	265 (13.4)	403 (8.8)	Khardi Palka
VIIes	19 (0.7)	88 (4.4)	107 (2.3)	Amla
<b>Total</b>	<b>2579</b>	<b>1984</b>	<b>4563</b>	
<b>%</b>	<b>100</b>	<b>100</b>	<b>100</b>	
<b>Reserved Forest</b>	-	-	<b>1029</b>	
<b>Grand Total</b>	-	-	<b>5592</b>	

#### 5. Salient Features and Specific Problems :

- The deep to very deep soils cover (2164 ha) which is 38.3% of the total survey area of 5649 ha.
- An area of 2148 ha (38.4%) is under gentle slope (1 - 3% slope)