

DESCRIPTIVE LEGENDS & SOILS OF JHARKHAND

MAP UNIT	DESCRIPTION
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INDO-GANGETIC ALLUVIAL PLAIN (Aa)
ACTIVE ALLUVIAL PLAIN (AaA)

1	Very deep, well drained, coarse loamy soils on very gently sloping plain with loamy surface texture, moderate erosion, and moderate flooding; associated with : Very deep, imperfectly drained, fine loamy soils with slight erosion and moderate flooding.
2	Very deep, moderately well drained, calcareous, fine silty soils on very gently sloping plain with loamy surface texture, slight erosion, moderate flooding and slight salinity. ; associated with : Very deep, moderately well drained, fine silty soils with loamy surface texture and slight erosion, moderate flooding and slight salinity.
3	Very deep, well drained, calcareous, coarse loamy soils on very gently sloping plain with loamy surface texture and moderate erosion; associated with : Very deep, moderately well drained coarse loamy soils with loamy surface texture and slight erosion.

OLD ALLUVIAL PLAIN (AaC)

4	Very deep, moderately well drained, fine soils on level to nearly level plain with clayey surface texture and very slight erosion; associated with : Very deep, imperfectly drained, fine loamy soils on very gently sloping land with loamy surface texture and slight erosion.
5	Very deep, imperfectly drained, fine soils on very gently sloping plain with clayey surface texture and slight erosion; associated with : Very deep, imperfectly drained fine silty soils with loamy surface texture and slight erosion.
6	Very deep, poorly drained, fine soils on very gently sloping plain with loamy surface texture, moderate erosion and slight salinity/sodicity; associated with : Very deep, poorly drained, fine loamy soils on gently sloping land with loamy surface texture, slight erosion and slight salinity/sodicity

SOILS OF BENGAL BASIN

UNDULATING UPLAND DISSECTED (BbA)

7	Deep, moderately well drained, fine loamy soils on very gently sloping undulating upland with loamy surface texture and severe erosion; associated with : Very deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
8	Deep, moderately well drained, fine loamy soils on very gently sloping undulating upland with loamy surface texture and severe erosion, associated with : Very shallow, well drained, loamy soils on gently sloping land with loamy surface texture, and severe erosion.
9	Deep, poorly drained, fine soils on gently sloping undulating upland with loamy surface texture and slight erosion; associated with : Deep, poorly drained, fine soils on gently sloping land with clayey surface texture and slight erosion.

MODERATELY SLOPING UPLAND WITH VALLEYS (BbB)

10	Deep, poorly drained, fine cracking soils on gently sloping upland with clayey surface texture and moderate erosion; associated with : Deep, imperfectly drained, fine soils on very gently sloping land with loamy surface texture and moderate erosion.
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GENTLY SLOPING UPLAND WITH VALLEYS (BbC)

11	Very deep, poorly drained, fine soils on very gently sloping upland with clayey surface texture and slight erosion; associated with : Deep, imperfectly drained, fine soils on gently sloping land with clayey surface texture and slight erosion
12	Very deep, imperfectly drained, fine soils on gently sloping uplands with clayey surface texture and moderate erosion; associated with : Shallow, moderately well drained, fine soils with clayey surface texture and moderate erosion.
13	Very deep, poorly drained, fine soils on very gently sloping upland with loamy surface texture and slight erosion; associated with : Deep, imperfectly drained, fine soils on gently sloping land with clayey surface texture and slight erosion.
14	Deep, poorly drained, fine soils on very gently sloping upland with loamy surface texture and moderate erosion; associated with : Deep, poorly drained, fine soils with clayey surface texture and slight erosion.

SOILS OF EASTERN PLATEAU (CHOTTANAGPUR PLATEAU)**GRANITE GNEISS LANDSCAPE (EcA)**

15	Shallow, somewhat excessively drained, gravelly loamy soils on gently sloping landscape with loamy surface texture and severe erosion; associated with: Deep, moderately well drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
16	Very deep, imperfectly drained, fine soils on gently sloping landscape with loamy surface texture and moderate erosion; associated with: Shallow, well drained, loamy soils on moderately steeply sloping land with loamy surface texture and severe erosion.
17	Shallow, well drained, loamy soils on gently sloping landscape with loamy surface and moderate erosion; associated with: Deep, poorly drained, fine soils with clayey surface texture and slight erosion.
18	Shallow, well drained, loamy soils on very gently sloping upland with loamy surface texture and moderate erosion; associated with: Deep, imperfectly drained, fine loamy soils with loamy surface texture and slight erosion.
19	Shallow, somewhat excessively drained, gravelly loamy soils on gently sloping hill slope with loamy surface texture and severe erosion; associated with: Deep, moderately well drained, fine loamy soils with loamy surface texture and moderate erosion.
20	Shallow, somewhat excessively drained, loamy soils on moderately sloping hill slope with sandy surface texture and severe erosion; associated with: Moderately deep, moderately well drained, fine soils with loamy surface texture and moderate erosion.
21	Deep, somewhat excessively drained, coarse loamy soils on moderately sloping hill slope with loamy surface texture and moderate erosion; associated with: Deep, moderately well drained, fine soils on gently sloping land with clayey surface texture and slight erosion.
22	Deep, moderately well drained, fine soils on gently sloping hill slope with loamy surface texture and moderate erosion; associated with: Deep, moderately well drained, fine soils on moderately sloping land with clayey surface texture and moderate erosion.
23	Very deep, moderately well drained, fine loamy soils on very gently sloping hill slope with loamy surface texture and moderate erosion; associated with: Deep, imperfectly drained, fine loamy soils on gently sloping land with loamy surface texture and moderate erosion.
24	Deep, imperfectly drained, fine soils on very gently sloping upland with loamy surface texture and moderate erosion; associated with: Very deep, well drained, fine loamy soils on gently sloping land with loamy surface texture and moderate erosion.
25	Very deep, imperfectly drained, fine soils on very gently sloping hill slope with loamy surface texture and moderate erosion; associated with: Very deep, imperfectly drained, fine soils with clayey surface texture and moderate erosion.
26	Deep, well drained, fine soils on very gently sloping undulating upland with loamy surface texture, and moderate erosion; associated with: Very deep, imperfectly drained, fine soils with loamy surface texture and moderate erosion.
27	Deep, moderately well drained, fine loamy soils on very gently sloping undulating plain with loamy surface texture and moderate erosion; associated with: Deep, moderately well drained, fine loamy soils on gently sloping land with loamy surface texture and moderate erosion.
28	Deep, imperfectly drained, fine soils on very gently sloping undulating plain with loamy surface texture and moderate erosion; associated with: Very deep, poorly drained fine soils on gently sloping land with clayey surface texture and slight erosion.
29	Shallow, well drained, loamy soils on very gently sloping undulating plain with loamy surface texture and moderate erosion; associated with: Moderately shallow, well drained, fine loamy soils on gently sloping undulating plain with loamy surface texture and moderate erosion.
30	Deep, well drained, gravelly loamy soils on gently sloping undulating plain with loamy surface texture and moderate erosion; associated with: Deep, imperfectly drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
31	Deep, well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with: Deep, imperfectly drained, fine soils on very gently sloping land with clayey surface texture and moderate erosion.
32	Deep, moderately well drained, fine loamy soils on very gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with: Deep, well drained, coarse loamy soils on gently sloping land with loamy surface texture and moderate erosion.
33	Very deep, moderately well drained, fine soils on very gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with: Deep, moderately well drained, fine soils on very gently sloping land with clayey surface texture and moderate erosion.
34	Very deep, well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and severe erosion; associated with: Deep, well drained, fine loamy soils with loamy surface texture and severe erosion.
35	Shallow, well drained, gravelly loamy soils on gently sloping undulating plateau with loamy surface texture and severe erosion; associated with: Deep, moderately well drained, fine loamy soils on moderately sloping land with loamy surface texture and moderate erosion.

36	Very deep, moderately well drained, fine soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
37	Shallow, well drained, loamy soils on gently sloping undulating plateau with loamy surface texture and severe erosion; associated with : Deep, moderately well drained fine soils with loamy surface texture and moderate erosion
38	Very deep, well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils on moderately sloping land with loamy surface texture and severe erosion.
39	Deep, moderately well drained, fine soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Very deep, moderately well drained, fine loamy soils on moderately sloping land with loamy surface texture and severe erosion.
40	Deep, moderately well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils on moderately sloping land with loamy surface texture and moderate erosion.
41	Very deep, well drained, coarse loamy soils on gently sloping undulating plateau with loamy surface texture and severe erosion; associated with : Deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
42	Deep, moderately well drained, fine soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
43	Deep, well drained, coarse loamy soils on gently sloping undulating plateau with loamy surface texture and severe erosion; associated with : Deep, well drained, fine loamy soils with loamy surface texture and severe erosion.
44	Very deep, poorly drained, fine soils on very gently sloping valley with loamy surface texture and moderate erosion; associated with : Deep, imperfectly drained, fine soils on gently sloping land with clayey surface texture and moderate erosion.
45	Very deep, poorly drained, fine soils on gently sloping valley with loamy surface texture and moderate erosion; associated with : Deep, moderately well drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
46	Very deep, poorly drained, fine soils on very gently sloping valley with clayey surface texture and slight erosion; associated with : Very deep, poorly drained, fine soils on gently sloping land with clayey surface texture and slight erosion.
47	Very deep, poorly drained, fine soils on very gently sloping valley with clayey surface texture and slight erosion; associated with : Very deep, poorly drained, fine soils on gently sloping land with clayey surface texture and slight erosion.

DHARWAR LANDSCAPE (EcB)

48	Shallow, somewhat excessively drained, gravelly loamy soils on moderately sloping hill slope with loamy surface texture and severe erosion; associated with : Deep, moderately well drained, fine soils on gently sloping land with loamy surface texture and moderate erosion
49	Deep, well drained, fine loamy soils on gently sloping hill slope with loamy surface texture and moderate erosion; associated with : Moderately deep, well drained, coarse loamy soils with loamy surface texture and moderate erosion.

MAP UNIT	DESCRIPTION
50	Shallow, well drained, loamy soils on moderately sloping hill slope with loamy surface texture and severe erosion; associated with : Moderately deep, well drained, fine loamy soils on moderately steeply sloping land with loamy surface texture and moderate erosion.
51	Very deep, well drained, fine loamy soils on gently sloping hill slope with loamy surface texture and severe erosion; associated with : Very shallow, somewhat excessively drained, loamy soils on moderately steeply sloping land with loamy surface texture and severe erosion.
52	Shallow, well drained, gravelly loamy soils on gently sloping hill slope with loamy surface texture and severe erosion; associated with : Very shallow, somewhat excessively drained, loamy soils on moderately sloping land with loamy surface texture and severe erosion.
53	Deep, moderately well drained, fine loamy soils on very gently sloping hill slope with loamy surface texture and moderate erosion; associated with : Deep, moderately well drained, fine soils on gently sloping land with loamy surface texture and moderate erosion.
54	Shallow, well drained, loamy soils on moderately sloping hill slope with loamy surface texture and severe erosion; associated with : Deep, moderately well drained, fine soils on gently sloping land with loamy surface texture and moderate erosion.
55	Shallow, well drained, loamy soils on gently sloping undulating upland with loamy surface texture and severe erosion; associated with : Moderately deep, moderately well drained, fine soils with loamy surface texture and moderate erosion.
56	Very deep, moderately well drained, fine soils on gently sloping undulating upland with clayey surface texture and moderate erosion; associated with : Very deep, poorly drained, fine soils with clayey surface texture and moderate erosion.
57	Very deep, imperfectly drained, fine soils on level to nearly level land with clayey surface texture and slight erosion; associated with : Deep, poorly drained, fine loamy soils on very gently sloping land with loamy surface texture and slight erosion.
58	Deep, moderately well drained, fine soils on very gently sloping undulating plain with clayey surface texture and slight erosion; associated with : Very deep, imperfectly drained, fine soils with clayey surface texture and slight erosion.
59	Very deep, poorly drained, fine soils on very gently sloping undulating plain with clayey surface texture and slight erosion; associated with : Deep, moderately well drained, fine loamy soils on gently sloping land with loamy surface texture and moderate erosion.
60	Deep, moderately well drained, fine loamy soils on gently sloping undulating plain with loamy surface texture and moderate erosion; associated with : Very deep, imperfectly drained, fine soils, very gently sloping land with loamy surface texture and moderate erosion.
61	Deep, moderately well drained, fine soils on very gently sloping undulating plain with loamy surface texture and slight erosion; associated with : Very deep, imperfectly drained, fine soils with clayey surface texture and slight erosion.
62	Very deep, poorly drained, fine soils on very gently sloping undulating plain with clayey surface texture and slight erosion; associated with : Very deep, very poorly drained, fine loamy soils with loamy surface texture and slight erosion.

63	Shallow, well drained, loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, gravelly loamy soils on moderately sloping land with loamy surface texture and severe erosion.
64	Shallow, well drained, loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine soils with loamy surface texture and moderate erosion.
65	Shallow, well drained, loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Moderately deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
66	Deep, well drained, gravelly loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Shallow, well drained, coarse loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
67	Very deep, well drained, coarse loamy soils on gently sloping undulating plateau with valley with loamy surface texture and moderate erosion; associated with : Deep, imperfectly drained, fine soils on very gently sloping land with loamy surface texture and moderate erosion.
68	Moderately deep, well drained, fine loamy soils on gently sloping undulating upland with valley with loamy surface texture and severe erosion; associated with : Deep, poorly drained, fine soils on very gently sloping land with clayey surface texture and moderate erosion.
69	Deep, well drained, fine loamy soils on gently sloping undulating upland with valley with loamy surface texture and moderate erosion; associated with : Very deep, poorly drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
70	Deep, well drained, fine loamy soils on very gently sloping undulating upland with valley with loamy surface texture and moderate erosion; associated with : Very deep, poorly drained, fine soils on gently sloping land with loamy surface texture and moderate erosion.
71	Very deep, poorly drained, fine soils on very gently sloping undulating upland with valley with clayey surface texture and slight erosion; associated with : Deep, imperfectly drained, fine soils on gently sloping land with loamy surface texture and moderate erosion.
72	Deep, well drained, fine loamy soils on gently sloping undulating upland with valley with loamy surface texture and severe erosion; associated with : Deep, imperfectly drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
73	Very deep, poorly drained, fine soils on very gently sloping valley with clayey surface texture and slight erosion; associated with : Very deep, poorly drained, very fine cracking soils with loamy surface texture and slight erosion.
74	Deep, moderately well drained, fine loamy soils, on gently sloping valley with loamy surface texture and moderate erosion; associated with : Very deep, poorly drained, fine soils on very gently sloping land with clayey surface texture and moderate erosion.
75	Very deep, moderately well drained, fine soils on gently sloping inter hill basin with loamy surface texture and moderate erosion; associated with : Very deep, moderately well drained, fine soils on moderately sloping land with clayey surface texture and moderate erosion.
76	Deep, moderately well drained, fine loamy soils on gently sloping inter hill basin with loamy surface texture and moderate erosion; associated with : Very deep, moderately well drained, fine loamy soils with loamy surface texture and moderate erosion.

GONDAWANA LANDSCAPE (EcC)

77	Deep, well drained, fine loamy soils on moderately sloping hill slope with loamy surface texture and severe erosion; associated with : Shallow, somewhat excessively drained, loamy soils on moderately steeply sloping land with loamy surface texture and severe erosion.
78	Very deep, moderately well drained, fine soils on gently sloping plain with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils with loamy surface texture and moderate erosion.
79	Deep, moderately well drained, fine soils on gently sloping undulating plain with clayey surface texture and slight erosion; associated with : Very deep, well drained, fine soils on very gently sloping land with loamy surface texture and moderate erosion.
80	Deep, well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Very shallow, somewhat excessively drained, loamy soils with loamy surface texture and severe erosion.
81	Deep, well drained, fine soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Shallow, somewhat excessively drained, loamy soils with loamy surface texture and severe erosion.
82	Deep, well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Very deep, poorly drained, fine soils on very gently sloping land with loamy surface texture and moderate erosion.
83	Deep, moderately well drained, fine loamy soils on gently sloping undulating plateau with loamy surface texture and moderate erosion; associated with : Shallow, well drained, loamy soils with loamy surface texture and severe erosion.
84	Deep, poorly drained, fine soils on very gently sloping undulating plateau with valley with clayey surface texture and moderate erosion; associated with : Moderately deep, moderately well drained, fine loamy soils on gently sloping land with clayey surface texture and moderate erosion.
85	Deep, well drained, fine loamy soils on very gently sloping undulating plateau with valley with loamy surface texture and moderate erosion; associated with : Very deep, imperfectly drained, fine soils on gently sloping land with clayey surface texture and moderate erosion.
86	Deep, moderately well drained, fine soils on very gently sloping undulating plateau with valley with loamy surface texture and moderate erosion; associated with : Moderately deep, well drained, coarse loamy soils on gently sloping land with loamy surface and severe erosion.
87	Deep, imperfectly drained, fine silty soils on very gently sloping river valley with loamy surface texture and moderate erosion; associated with : Deep, poorly drained, fine loamy soils with loamy surface texture and slight erosion.

RAJMAHAL HILLS (EcD)	
88	Very deep, imperfectly drained, fine soils on gently sloping hill with narrow valleys with clayey surface texture and moderate erosion; associated with : Moderately deep, moderately well drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
89	Shallow, somewhat excessively drained, gravelly loamy soils on steeply sloping hill slopes with clayey surface texture and severe erosion.
90	Very deep, moderately well drained, fine soils on gently sloping undulating upland with valley with clayey surface texture and moderate erosion; associated with : Deep, imperfectly drained, fine soils on very gently sloping land with clayey surface texture and slight erosion.
91	Very deep, imperfectly drained, fine soils on gently sloping undulating upland with valley with clayey surface texture and moderate erosion; associated with : Very deep, imperfectly drained, fine soils with clayey surface texture and moderate erosion.
92	Very deep, well drained, fine loamy soils on gently sloping undulating upland with valley with loamy surface texture and moderate erosion; associated with : Deep, moderately well drained, fine loamy soils on very gently sloping land with loamy surface texture and moderate erosion.
93	Very deep, poorly drained, fine cracking soils on very gently sloping inter hill basin with clayey surface texture and slight erosion; associated with : Deep, imperfectly drained, gravelly fine soils on gently sloping land with clayey surface texture and slight erosion.
94	Very deep, poorly drained, fine cracking soils on very gently sloping valleys with clayey surface texture and slight erosion; associated with : Very deep, very poorly drained, fine swell shrink soils with clayey surface texture and slight erosion.

SOILS OF CENTRAL HIGHLAND : VINDHYAN RANGE (Cv)

HILLY TERRAIN (CvA)

95	Very shallow, excessively drained, gravelly loamy soils on moderately steep sloping hills with gravelly loamy surface texture and severe erosion; associated with : Rock outcrops.
96	Moderately shallow, excessively drained, gravelly loamy soils on moderately sloping hill slope with gravelly loamy surface texture and severe erosion associated with : Rock outcrops.

KAIMUR PLATEAU (CvB)

97	Deep, moderately well drained, fine soils on very gently sloping undulating plain with loamy surface texture and moderate erosion; associated with : Deep, well drained, fine loamy soils on gently sloping land with loamy surface texture and moderate erosion.
98	Very deep, moderately well drained, calcareous fine loamy soils on gently sloping undulating plain with loamy surface texture and severe erosion; associated with : Deep, well drained, coarse loamy soils with loamy surface and severe erosion.

ALLUVIAL PLAIN OF VINDHYAN RANGE (CvC)

99	Very deep, moderately well drained, fine soils on very gently sloping undulating upland with valley with loamy surface texture and slight erosion; associated with : Very deep, moderately well drained, fine soils on gently sloping land with clayey surface texture and slight erosion.
	Miscellaneous (Rivers, Reservoirs, Urban area etc.)

GRAND TOTAL

END OF SOIL LEGEND