NO	DEGODIDITION	SYMBOL	LAND EVALUATION CLASSES							
NO	DESCRIPTION		S1	S2	S3	Ν				
1	Soil Depth	S	> 75 cm	> 50 cm	> 10 cm					
2	Texture of Root Zones	s	clay, fine loam, fine silt	clay, fine loam, fine silt	clay, coarse and fine loam, coarse and fine silty	clay, coarse and fine loam, coarse and fine silt, stony				
3	Available of Water/Porosity	S	high	high to moderate	high to low	high to low				
4	Soil Fertility	n	very high to medium	very high to low	very high to very low	very high to very low				
5	Soil Acidity	а	рН 5.0 - 7.0	pH 4.5 - 8.0	pH 4.0 - 8.0	pH < 4.0, liming required				
6	Salinity DHL x 1000	х	< 1.5	< 2.5	< 4.0	> 4.0 soil reclamation required				
7	Soil Drainage	d	moderate to well	moderate to well	moderately to well	very poorly to well				
8	Flooding	f	onces in 10 years	< 3 times in 10 years	< 4 times in 10 years with often medium damage	often serious flooding, and water management required				
9	Erosion Susceptibility	e	none to little	medium	heavy	very heavy				
10	Slopes/Micro Relief	t	< 3 % with few micro relief	< 3 % with medium micro relief	< 8 % with many micro relief	> 8 %, with complex slopes				
11	Climatic Type (oldeman)	r	A1, A2	A, B1, B2, B3	A, B, C, D1, D2	A, B, C, D, E1, E2				

Annex C3.1.1 Criterion of Land Evaluation for Dryland Arable Farming

Source Data : RePPPorT, 1981

S1: highly suitable

S3: marginally suitable

S2: moderately suitable N: not suitable

NO	DESCRIPTION	SYMBOL	LAND EVALUATION CLASSES							
NU	DESCRIPTION		S1	S2	S 3	Ν				
1	Soil Depth	th s > 75 cm		> 50 cm	> 25 cm	> 10 cm				
2	Texture of Top Soil (0-30cm)	S	clay, fine loam, fine silt	clay, fine loam, fine silt	clay, coarse and fine loam, coarse and fine silt	clay, coarse and fine loam, coarse and fine silt, stony				
3	Permeability of Top Soil (0-30 cm)	S	< 0.5 cm/hour	< 2.0 cm/hour	< 6.5 cm/hour	< 25 cm/hour				
4	Stone and Gravel Limitation Factor		none	none to few	none to few gravel and stony	none to few gravel and stony				
5	Soil Fertility	n	high to medium	very high to low	very high to very low	very high to very low				
6	Soil Acidity	а	рН 5.0 - 7.5	pH 4.5 - 8.0	pH 4.0 - 8.0	рН 3.5 - 8.5				
7	Salinity	х	< 1.5	< 2.5	< 2.5	< 4.0				
8	Slope	t	<1 %	< 3 %	< 5 %	>= 5 %				
9	Elevation (a.s.l.)	t	< 750 m			< 750 m				
10	Micro Relief	t	80 % areal flat	80 % area flat	> 50% area flat	>40 % area flat				
11	Limitation Factor of Water Less	m	none	sometimes limited	moderately limited, four times in 10 less of water	moderately to strong limited, 6 times in 10 years water less				
12	Soil Drainage	d	moderate to poor	moderate to poor	moderate to very poor	very poor to well				
13	Flooding	f	onces in 10 years	three times in 10 years	four times in 10 years with moderate damage	more than 4 times in 10 years with heavy damage				
14	Anosol Peat Decomposition	k	sapric	sapric saprik		hemic and or fibric				
15	Peat Depth	g	< 50 cm	< 50 cm	< 100 cm	< 150 cm				
16	Mineral Soil Dertility	n	very high to medium	very high to low	very high to very low	very high to very low				
17	Poxicity (depth of cat clay)	с	> 150 cm	> 100 cm	> 100 cm	> 50 cm				
18	Salinity DHL x 1000	х	< 1.5	< 2.5	< 2.5	< 4.0				

Annex C3.2.1 Criterion of Land Evaluation for Wetland Rice

Source Data : RePPPorT, 1981 S1: highly suitable

S3: marginally suitable

S2: moderately suitable N: not suitable

NO	DESCRIPTION	SYMBOL	LAND EVALUATION CLASSES						
NO	DESCRIPTION	SYMBOL	S1	S2	S3	Ν			
1	Soil Depth	S	> 100 cm	> 75 cm	> 50 cm	Others			
2	Textures	s	clay, fine loam, fine silt	clay, fine loamy, fine silt	clay, coarse and fine loam, coarse and fine silty	clay, coarse and fine loam, coarse and fine silt, stony			
3	Availibility of Water	S	high	high to medium	high to low	high to low			
4	Soil Fertility	n	very high to medium	very high to low	very high to very low	very high to very low			
5	Soil Acidity	а	рН 5.0 - 7.0	pH 4.5 - 8.0	pH 4.0 - 8.0	pH < 4.0 - > 8.0			
6	Salinity DHL x 1000	х	< 1.5 mmhos/cm	< 2.5	< 4.0	Others			
7	Soil Drainage	d	moderate to well	moderate to poorly	moderate to well	very poor to well need drainage improvement			
8	Flooding	f	< 3 times in 10	< 4 times in 10	often but not	often with serious			
0	Flooding	I	years	years	serious	damage			
9	Erosion	е	none to few	medium to heavy	heavy to very heavy	heavy to very heavy			
10	Slope	t	< 8%	< 8 %	< 15 %	> 25 %			
11	Climatic Types	r	A, B	A, B, C1, C2, C3 A, B, C, D1, D2, D3		A, B, C, D, E1, E2			
12	Organosol Peat Decomposition	k	sapric	sapric	sapric	hemic			
13	Peat Depth	g	< 50 cm	< 50 cm	< 100 cm	Others			
14	Mineral Soil Fertility	n	very high to medium	very high to low	very high to very low	very high to very low			
15	Toxicity (depth of cat clay)	с	> 150 cm	> 100 cm	> 50 cm	Others			
16	Salinity DHL x 1000	х	< 1.5 mmhos/cm	< 2.5 mmhos/cm	< 4.0	Others			

Annex C3.3.1 Criterion of Land Evaluation for Major Tree Crops

Source Data : RePPPorT, 1981 S1: highly suitable

S3: marginally suitable

S2: moderately suitable N: not suitable

LAND SYSTEM	WETLAND RICE	DRYLAND ARABLE	RUBBER	OIL PALM	COCONUT	COFFEE	COCOA	CLOVE	PEPPER	SUGAR CANE	PINEAPPLE	CASHEW	BANANA
KHY (1)	S 3	S3	S3	S 3	S2	Ν	Ν	Ν	Ν	S2	Ν	S 3	S 3
SBG	S 3	S3	S3	S 3	S2	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν
BKN	S3	S 3	S 3	S3	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	N
SLK	S1	S2	S 3	S3	S2	Ν	Ν	Ν	Ν	S2	Ν	S2	S2
TNJ	S2	S2	S 2	S2	S2	Ν	Ν	Ν	Ν	Ν	Ν	Ν	N
KNJ	S2	S2	S 2	Ν	S2	S 1	Ν	S2	S2	S2	S2	S2	S2
MBI	S3 (2)	S3 (3)	S2	S2	S 2	S 3	S2	S2	S2	S3	S2	S2	S 3
TLU	Ν	S 3	S 2	Ν	S 3	S 1	S2	S2	N	S2	S2	Ν	S2
SMN	S 3	S 3	S2	S2	S 2	S 3	S3	S2	S2	S2	S2	S2	S2
PKS	Ν	S 3	S 2	S2	S 2	S 3	S 3	S2	S2	S 3	S2	S2	S 3
SMI	Ν	S 3	S 2	S2	S2	S 3	S 3	S 2	S2	S 2	S2	S 2	S2
SMD	Ν	S3	S 2	S 2	S2	S 3	S 3	S 2	S 2	S 2	S2	S 2	S2
BGI	Ν	N	S 3	Ν	S3	S 3	S 3	S	S	S	Ν	S	S
GJO	Ν	Ν	S 3	S 3	S3	S 3	S 3	S	Ν	S	Ν	S	S
SAR	Ν	N	S	S	S	S	S	S	S	S	Ν	S	S
ВТК	Ν	N	S 3	S 3	S3	S 3	S 3	S	S	S 3	Ν	S	S
BTG	Ν	Ν	S	S	S	S	S	Ν	Ν	Ν	Ν	Ν	S
SKA	Ν	N	S 3	Ν	S	S 3	Ν	S	S				
GSM	Ν	N	S	S	S	S	S	S	S	S	Ν	S	S

Annex C3.5.1 Summary of Land Sitability by Land System

Note:

(1) Large Area of this land system may be unsuitable : more detailed investigations required

(2) Estimated : 15 % of total area of land system

(3) Estimated : 25 % of total area of land system

Source Data : RePPPorT, 1981

S: Suitable for tree crop under estate management only

S1: highly suitable

S2: moderately suitable

S3: marginally suitable

N: not suitable