WETLANDS ECOSYSTEM HEALTH CARD – BETUL TALAB, DISTRICT BETUL COORDINATES - 21°54'43"N 77°54'00"E

S. No	Features	Indicator	Desired Value	Actual Value			Category			Score
					A	В	C	D	E	
1.	Area	% wetland converted	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
		to non-wetland use								
		since year 2000								
2.	Hydrology	Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
	and	natural inlets choked								
	Catchments	and diverted to total								
		number of natural								
		inlets								
		Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		natural outlets choked								
		and diverted to total								
		number of natural								
		outlets								
3.	Water	pH value	6.5 - 8.5	8.20	80-100% sample	60-80%	40-60%	20-40%	Less than 20%	A
	Quality	•			meet the criteria		sample meet	*	sample meet the	
	(2015-16)					the criteria	the criteria	criteria	criteria	
		Dissolved Oxygen	6mg/l or more	8.00	80-100% sample		40-60%	20-40%	Less than 20%	A
					meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	
		Biological Oxygen	3 mg/l or less	18.00	80-100% sample		40-60%	20-40%	Less than 20%	Е
		Demand Demand	5 mg/1 of less	10.00	meet the criteria				sample meet the	
		Demand				the criteria	the criteria	criteria	criteria	
		Chemical Oxygen	<50mg/l	42.50	80-100% sample		40-60%	20-40%	Less than 20%	A
		Demand (*for urban			meet the criteria				sample meet the	
		wetland)				the criteria	the criteria	criteria	criteria	
4.	Biodiversity	% wetland area								
		covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	В

		Annual Bird Species	-	-	-	-	-	-	-	-
		Richness								
5.	Governance	Clearly demarcated	Wetlands map	Wetlands map	Wetlands map	Wetlands map	Wetlands	Wetlands map	Wetlands map	Е
		wetlands map	prepared and	not prepared	prepared and	prepared and	map	under	not prepared	
		•	approved by		approved by	under	prepared but			
			SWA/ GoMP		GoMP		not placed in			
						of SWA	SWA			
		Wetlands	Management	No	Management	Management	Management	Management	No	E
		management plan	Plan prepared	Management	Plan prepared	1 1		Plan under	Management	
			by	Plan	and approved by		prepared,	preparation	Plan	
			nodal/Implem		GoI	to GoI	not			
			enting agency				submitted to			
			and approved				GoI			
			by GoI							
		Wetlands Notification		No regulation	Notification	Draft	Regulation	Regulation	No regulation	Е
			notified under		under Wetland	notification	under	planned,		
			extant		Rule (2017)		process	process		
			regulation					initiated		

	Frequency	Assigned	Weight
Number of indicators in Rank A	6	1.0	6.0
Number of indicators in Rank B	1	0.8	0.8
Number of indicators in Rank C	0	0.6	0.0
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	4	0.2	0.8
	11	TOTAL	7.6

Wetland Score	0.69	D

Remark
A+ If indicator score between 1 to 0.95
A- If indicator score between 0.91 to 0.95
B+ If indicator score between 0.86 to 0.90
B- If indicator score between 0.81 to 0.85
C+ If indicator score between 0.76 to 0.80
C- If indicator score between 0.71 to 0.75
D If indicator score between 0.60 to 0.70
E If indicator score between Below 0.60

WETLANDS ECOSYSTEM HEALTH CARD – FOOTA TALAB, BETUL TOWN, DISTRICT BETUL (MP) COORDINATES - 21°54'19"N 77°53'56"E

S. No	Features	Indicator	Desired Value	Actual Value			Category			Score
			, 55252	, 332-32-3	A	В	С	D	E	
1.	Area	% wetland converted	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
		to non-wetland use								
		since year 2000								
2.	Hydrology	Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
	and	natural inlets choked								
	Catchments	and diverted to total								
		number of natural								
		inlets								
		Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		natural outlets choked								
		and diverted to total								
		number of natural								
		outlets								
3.	Water	pH value	6.5 - 8.5	8.20	80-100% sample	60-80%	40-60%	20-40%	Less than 20%	A
	Quality	•			meet the criteria		sample meet	sample meet the		
	(2015-16)					the criteria	the criteria	criteria	criteria	
		Dissolved Oxygen	6mg/l or more	5.80	80-100% sample		40-60%		Less than 20%	E
					meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	
		Biological Oxygen	3 mg/l or less	12.00	80-100% sample		40-60%		Less than 20%	E
		Demand	3 mg/1 of iess	12.00		sample meet		sample meet the		L
		Demand				the criteria	the criteria	criteria	criteria	
		Chemical Oxygen	<50mg/l	20.00	80-100% sample	60-80%	40-60%	20-40%	Less than 20%	A
		Demand (*for urban			meet the criteria		sample meet	sample meet the		
		wetland)				the criteria	the criteria	criteria	criteria	
4.	Biodiversity	% wetland area	100/	44.000	1004	11.000	24.205	21 100/		
		covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	В

		Annual Bird Species	-	-	-	-	-	-	-	-
		Richness								
5.	Governance	Clearly demarcated wetlands map	Wetlands map prepared and approved by SWA/ GoMP	Wetlands map not prepared	Wetlands map prepared and approved by GoMP	Wetlands map prepared and under consideration of SWA	Wetlands map prepared but not placed in SWA	•	Wetlands map not prepared	E
		Wetlands management plan	Management Plan prepared by nodal/Implem enting agency and approved by GoI	No Management Plan	Management Plan prepared and approved by GoI	Management Plan prepared and submitted to GoI	Plan	Management Plan under preparation	No Management Plan	E
		Wetlands Notification	Wetlands notified under extant regulation	No regulation	Notification under Wetland Rule (2017)	Draft notification	Regulation under process	Regulation planned, process initiated	No regulation	Е

	Frequency	Assigned	Weight
Number of indicators in Rank A	5	1.0	5.0
Number of indicators in Rank B	1	0.8	0.8
Number of indicators in Rank C	0	0.6	1.0
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	5	0.2	1.0
	11	TOTAL	6.8

0.62

D

Wetland Score

Remark
A+ If indicator score between 1 to 0.95
A- If indicator score between 0.91 to 0.95
B+ If indicator score between 0.86 to 0.90
B- If indicator score between 0.81 to 0.85
C+ If indicator score between 0.76 to 0.80
C- If indicator score between 0.71 to 0.75
D If indicator score between 0.60 to 0.70
E If indicator score between Below 0.60

WETLANDS ECOSYSTEM HEALTH CARD – BADA TALAB, DISTRICT HARDA

COORDINATES - 22°12'06"N 77°05'55"E

S. No	Features	Indicator	Desired Value	Actual Value			Category			Score
			, 332323	, 332-32-3	A	В	C	D	E	
1.	Area	% wetland converted	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
		to non-wetland use								
		since year 2000								
2.	Hydrology	Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
	and Catchments	natural inlets choked								
		and diverted to total								
		number of natural								
		inlets								
		Ratio of number of	< 0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		natural outlets choked								
		and diverted to total								
		number of natural								
		outlets								
3.	Water	pH value	6.5 - 8.5	8.01	80-100% sample	60-80%	40-60%	20-40%	Less than 20%	A
	Quality	•			meet the criteria	<u> </u>	sample meet	sample meet	sample meet the	
	(2019-20)					the criteria	the criteria	the criteria	criteria	
		Dissolved Oxygen	6mg/l or more	8.80	80-100% sample		40-60%	20-40%	Less than 20%	A
					meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	sample meet the criteria	
		Biological Oxygen	3 mg/l or less	0.80	80-100% sample		40-60%	20-40%	Less than 20%	A
		Demand		0.00		sample meet	sample meet	sample meet	sample meet the	
						the criteria	the criteria	the criteria	criteria	
		Chemical Oxygen	<50mg/l	9.68	80-100% sample		40-60%	20-40%	Less than 20%	A
		Demand (*for urban			meet the criteria		sample meet	sample meet	sample meet the	
		wetland)				the criteria	the criteria	the criteria	criteria	
4.	Biodiversity	% wetland area	100					-1		С
		covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	

		Annual Bird Species	-	-	-	-	-	-	-	-
		Richness								
5.	Governance	Clearly demarcated	Wetlands map	Wetlands map	Wetlands map	Wetlands map	Wetlands map	Wetlands map	Wetlands map	Е
		wetlands map	^ ^	prepared and	prepared and	prepared and	prepared but	under	not prepared	
		-	approved by	under	approved by	under	not placed in	Preparation		
			SWA/ GoMP	consideration	GoMP	consideration	SWA			
				of SWA		of SWA				
		Wetlands	Management	No	Management	Management	Management	Management	No	Е
		management plan	Plan prepared	Management	Plan prepared	Plan prepared	Plan prepared,	Plan under	Management	
			by	Plan	and approved by	and submitted	not submitted	preparation	Plan	
			nodal/Implem		GoI	to GoI	to GoI			
			enting agency							
			and approved							
			by GoI							
		Wetlands Notification	Wetlands	No regulation	Notification	Draft	Regulation	Regulation	No regulation	Е
			notified under		under Wetland	notification	under process	planned,		
			extant		Rule (2017)		_	process		
			regulation					initiated		

	Frequency	Assigned	Weight
Number of indicators in Rank A	7	1.0	7.0
Number of indicators in Rank B	0	0.8	0.0
Number of indicators in Rank C	1	0.6	0.6
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	3	0.2	0.6
	11	TOTAL	8.2

Wet	land Score	0.75	C-

Remark		
A+ If indicator score between 1 to 0.95		
A- If indicator score between 0.91 to 0.95		
B+ If indicator score between 0.86 to 0.90		
B- If indicator score between 0.81 to 0.85		
C+ If indicator score between 0.76 to 0.80		
C- If indicator score between 0.71 to 0.75		
D If indicator score between 0.60 to 0.70		
E If indicator score between Below 0.60		