



Annex 7: Impact Assessment

The impact of each activity on each receptor was assessed according to magnitude on a scale of -10 to 10, where negative values indicate a negative influence on the receptor, and importance on a scale of 0 to 10, which encompasses the probability of occurrence, frequency of the impact etc. The numbering system is used as a relative measure, where more negative numbers correspond to impacts having a higher negative magnitude. Susceptible receptors and corresponding activity are deduced and addressed if both magnitude and importance are of minor severity.

Further, the Buroz Relevant Integrated Criteria and is used to determine the Impact Significance, I, of the impact for each activity on all receptors and of the project overall.

On the basis of the value of the importance of impact, I, obtained, the severity of the impact of an activity is assessed.

Criterion	Definition	Scoring Scale
Intensity (IN)	Degree of destruction of activity on receptor	1 (lowest)-12 (highest)
Extension (EX)	Theoretical area of influence of the impact	1 (localized) – 8 (widespread)
Momentum (MO)	Period of time for manifestation of the impact	4 (immediate: <1 year) – 2 (medium: 1-5 years)- 1 (long term: > 5 years)
Persistence (PE)	Duration of the effect of the impact	1 (fleeting, < 1 year), 2 (temporary, 1-5 years), 4 (permanent, >5 years)
Reversibility (RV)	Possibility of returning to pre-activity initial conditions by rebuilding or natural means	1 (short term, < 1 year)- 2 (medium term, 1-5 years) – 4 (long term, > 5 years or irreversible)
Recoverability (MC)	Possibility of reconstruction with corrective measures	1 -2 (full and immediate recovery)- 4 (partial recovery and medium term)- 8 (unrecoverable)
Synergy (SI)	Reinforcement ability of manifested effects	1(No synergy of actions on a receptor) -2 (moderate synergism)-4 (high synergy)
Accumulation (Ac)	Progressive increase of the effect	1 (no cumulative effect)-4(cumulative effect)

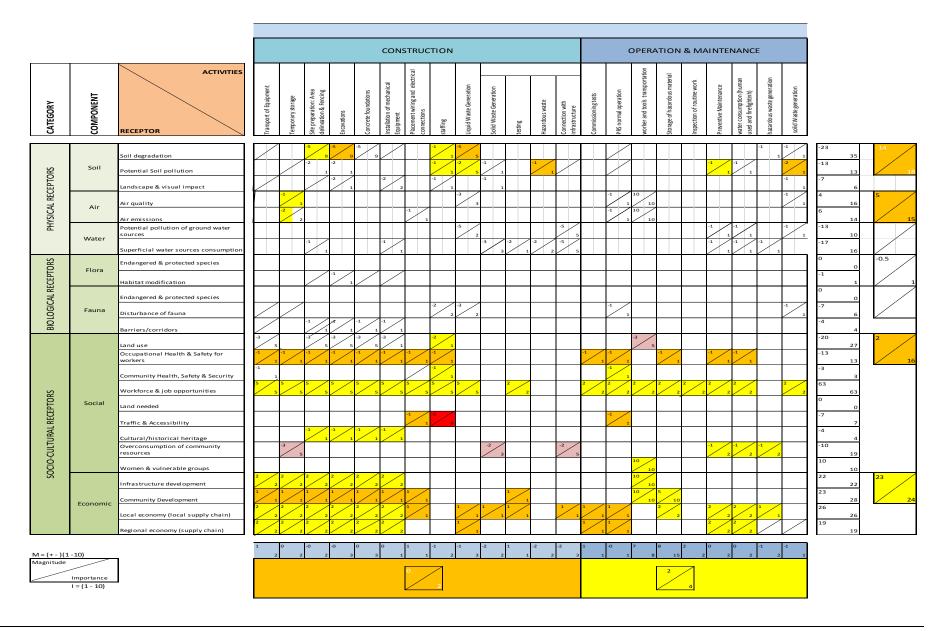




Criterion	Definition	Scoring Scale								
Effect (EF)	Directionality of impact-the cause (action)-effect (impact)	4 (direct)- 1 (indirect)								
Frequency (PR)	Regularity of manifestation of the effect	4 (continuous) – 2 (irregular)-1 (periodic)								
Impact Significance	$I = \pm (3 \times IN + 2 \times EX + MO + PE + RV + SI + AC + EF + PR + MC)$									
(I)										











The table below is based on the Buroz's Relevant Integrated Criteria

	CONSTRUCTION										OPERATION & MAINTENANCE											
ACTIVITIES		- P							w	aterutil	ization f	or:	93 (\$3									
CHARACTERISTICS	4 ssembling structures	Energy supply (Diesel generator)	Placement permanent structures and plataforms	Placement of temporary buildings	Placement wiring, electrical connections & excavation	Construction of infrastructure & permanent buildings	ransportation of workers	Reception & storage of equipment and materials	Naste Generation	Construction	Human consumption	Cleaning activities	Sanitary facilities	Commissioning tests	Receiving equipment & materials (heavy trucks & transporters)	Operation of the solar panels	Connection to the distribution grid	nspection of routine civil engineering quality records	Preventive Maintenance	Corrective maintenance	Water consumption (human activities)	Waste generation
													, J,									
Type of impact	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	+	-	-	-	-	-	-
Intensity (IN)	6	6	12	6	12	3	5	12	12	12	12	12	12	1	2	1	1	1	12	2	1	3
Extension (EX)	1	3	1	1	1	1	1	1	3	3	1	3	3	1	1	1	1	1	3	3	1	3
Momentum (MO)	4	1	4	4	4	4	1	4	4	4	1	1	4	1	1	1	1	1	4	4	2	4
Persistence (PE)	4	2	4	2	4	4	1	1	4	4	4	4	4	1	1	4	1	1	4	1	1	1
Reversibility (RV)	1	1	1	1	1	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	1
Sinergy (SI)	1	1	1	1	1	1	1	1	4	4	4	4	4	1	4	1	1	1	4	4	1	4
Acumulation (AC)	1	1	2	1	1	1	1	1	4	4	1	4	4	1	1	1	1	1	2	2	1	4
Effect (EF)	4	4	4	4	1	4	4	1	4	2	2	2	4	1	1	1	1	1	4	2	2	2
Frequency (PR)	2	2	2	1	4	2	2	2	4	4	4	4	4	1	2	1	1	1	2	2	1	2
Recoverability (MC)	1	1	1	1	1	1	1	1	4	2	2	2	4	1	1	1	1	1	2	2	1	4
IMPORTANCE	38													13	20	16	13	13	65	30	15	37
		51.3										24.7										

IRRELEVANT
Minor
Meduim
Major