

# Dimension Weightage Workshop for Tribal Area Development Index

**Online workshop**

31<sup>st</sup> July, 2020

Under research project on  
*“Data and Decision Science for Reducing Gaps in Tribal Areas”*

Funded by:



जनजातीय कार्य मंत्रालय  
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## Finalized Dimensions and Factors mapping based on workshop dated 03<sup>rd</sup> July, 2020

Dimension	Factors grouped under each dimension			
<b>Finance</b>	Availability of banks	Availability of banking correspondents	Availability of ATM	
<b>Village Material</b>	Village connected to all weather road	Whether village has an internal cc/ brick road	Availability of Public Transport	Availability of Public Distribution System (PDS)
<b>Household Material</b>	Availability of electricity for domestic use	Availability of Piped tap water	Total no of household using clean energy (LPG/Bio gas)	No of household with kuccha wall and kuccha roof
<b>Information</b>	Availability of Internet Cafe/Common Service Centre	Availability of telephone services	Availability of Post office / Sub-Post office	
<b>Social</b>	Gender Parity	% of SC/ST village Population	Availability of Markets	
<b>Education</b>	Availability of school	Availability of Voc. Edu. Centre / ITI		
<b>Health</b>	Availability of Sub centre	Availability of Veterinary Clinic Hospital	Availability of drainage facilities	

## Dimension weightage table

	Finance	Village Material	Household Material	Information	Social	Education	Health
Finance	1						
Village Material		1					
Household Material			1				
Information				1			
Social					1		
Education						1	
Health							1

### Saaty (1980) scale:

Preference	Definition
1	Equal preference
3	Moderate preference
5	Strong preference
7	Very strong preference e
9	Extreme preference
2, 4, 6, 8	Intermediate values of preference

### Few examples:

**Hint: If  $I \rightarrow J$  is  $X$  then  $J \rightarrow I$  will be  $1/X$  (For  $I = J$  it would be 1)**

- 1) If "Finance" has moderate preference over "Information" then 3 & reciprocal relation would be 1/3.
- 2) If "Social" has extreme preference over "Village Material" then 9 & reciprocal relation would be 1/9.
- 3) If Education has between strong preference & very strong preference over "Social" then 6 & reciprocal would be 1/6.
- 4) If "Village Material" has equal preference over "Household Material" then 1 & reciprocal would be also 1.

		<div style="display: flex; align-items: center; justify-content: center;"> <span style="margin-right: 10px;">→</span> <span style="color: red; font-weight: bold;">J</span> <span style="margin-left: 10px;">→</span> </div>						
		Finance	Village Material	Household Material	Information	Social	Education	Health
<div style="display: flex; align-items: center;"> <span style="font-size: 2em; margin-right: 5px;">I</span> <span style="font-size: 2em;">↓</span> </div>	Finance	1			3			
	Village Material		1	<u>1</u>		1/9		
	Household Material		<u>1</u>	1				
	Information	1/3			1			
	Social		9			1	1/6	
	Education					6	1	
	Health							1

Kindly, fill all entries of the table and email to me at [surya.singh@gmail.com](mailto:surya.singh@gmail.com).