

INDENT FOR STRUCTURAL DESIGN TO IDRB			
EARTH DAM			
1*	Name of work		
2*	Date		
3*	IP address		
A	General Details and Location of Work		
1*	Location		
2*	Latitude		
3*	Longitude		
4*	Name of river/stream		
5*	Altitude from mean sea level		
6*	District		
7*	Taluk		
8*	Assembly constituency		
9*	Village		
10*	Panchayath/Municipality/Corporation		
B	Details of Officers Furnishing the Indent		
1*	Assistant Engineer	Office	
		Name	
2*	Assistant Executive Engineer	Office	
		Name	
3*	Executive Engineer	Office	
		Name	
4*	Superintending Engineer	Office	
		Name	
5*	Chief Engineer	Office	
		Name	
C	Topographical Data		
1*	Cross section of the river at 50m C/C, 100m u/s and d/s of the dam		
D	Hydrological Data		
1*	Maximum Flood level		
2*	High tidal level		
3*	Full reservoir level(FRL)		
4*	Maximum flood Discharge of the river		
E	Geotechnical Details of Sub Grade Material (Soft Soil Foundation /Previous Condition)		
1*	Sub soil profile including bore hole details, type of soil, grain size distribution etc along the proposed alignment up to a depth of 10 m		
2*	Dry density		
3*	Initial water content		
4*	Initial void ratio		
5*	Optimum moisture content		
6*	Specific gravity		

7*	Total unit weight	
8*	Liquid limit	
9*	Plastic limit	
10*	Unconsolidated Undrained shear strength	
11*	Cohesion	
12*	Unconsolidated Undrained shear resistance	
13*	Permeability	
14*	Coefficient of consolidation	
15*	Compression index	
16*	Pore water pressure	
17*	Bearing capacity of the foundation strata	
F	Geotechnical Details of Sub Grade Material (Rock Foundation /Impervious Condition)	
1*	Bore hole details upto a depth of 10.00m(two nos both flanks,three nos on non overflow section,one in overflow section and one in stilling basin)	
2*	Type of rock	
3*	Density	
4*	Cohesion	
5*	Shear strength	
6	Permeability	
7*	Crushing Strength	
G	Geotechnical Details of Fill Material	
1*	Dry density	
2*	Optimum moisture content	
3*	Saturated density	
4*	Average Unit weight	
5*	Average Internal friction	
6	Average Cohesion	
7	Coefficient of internal friction	
H	Details of Impervious Core Samples	
1*	Type of core suggested	
2*	Suggestion of one if any	
3*	Optimum moisture content	
4*	Permeability	
5*	Scheme report giving details of scope of work,As etc	

(*) Indicated fields are mandatory