

INDENT FOR STRUCTURAL DESIGN TO IDRB			
GRAVITY 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 Officials 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	Foundation and Site Details		
1*	Contour plan of dam site		
2*	Contour map of the reservoir area		
3*	Cross section of the river at 50m C/C, 100m u/s and d/s of the dam		
4*	Soil investigation report including bore hole details, specifying all soil parameters recommended by a soil consultant		
5*	Safe bearing capacity of the foundation rock		
6*	Coefficient of friction between the dam material and foundation rock		
7*	Cohesion of foundation strata		
8*	Geologic and seismic study of the proposed dam site including orientation of the rock joints and		

	faults etc.The prehistory of the earth quake events shall be reported	
9*	Age of the rock where the dam is to be founded,level and correct depth at which fresh rock deposit cease to exit	
D	Details About the Proposed Dam	
1*	Proposed top level of the dam	
2*	Proposed foundation level of the dam(lowest)(hard rock level along the length of the dam)	
3*	Top width required for the dam	
4*	Width of bridge over spillway	
5*	Full reservoir level(FRL)	
6*	Maximum water level(MWL)	
7*	Maximum tail water level(During flood condition)	
8*	Normal tail water level(During normal operating condition)/(Stage discharge curve for the spill way channel)	
9*	Silt level in the reservoir	
10*	Specific gravity (unit weight)of concrete/masonry to be used for the construction of the dam	
E	Details Required for Flood Studies	
1*	Inflow hydrograph of the reservoir	
2*	Spilway rating curve	
3*	Elevation storage curve of reservoir	
F	Earth Quake Details	
1*	Site specific design parameters d acceleroqram for the dam site	
G	Spillway Details	
1*	Design flood to be used for the design	
2*	Spill way capacity required	
3*	Probable maximum precipitation	
4	Proposed position of the spillway	
5*	Maximum length of spillway which can be provided at the proposed location	
6*	Total number of gates	
7*	Types of gates	

8*	Proposal drawing showing the length of the dam, spillway, canal sluice, river outlet, power outlet and other appurtenant works	
9*	Scheme report giving details of scope of work, AS etc	

(*) Indicated fields are mandatory