

INDENT FOR STRUCTURAL DESIGN TO IDRB			
CHECK DAM cum BRIDGE			
1*	Name of work		
2*	Date		
3*	IP address		
<b>A</b>	<b>General Details and Location of Work</b>		
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>B</b>	<b>Details of Officials Furnishing the Indent</b>		
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	
<b>C</b>	<b>Nature of the proposed structure</b>		
1*	Height of proposed structure		
<b>D</b>	<b>Details of Rain Guage Stations</b>		
1	Name of the nearest river gauge station and rain gauge station		
<b>E</b>	<b>Hydraulic Data</b>		
1*	Distance of site from the sea coast		
2*	Depth of availability of rock in the river(to provide economical foundation)		
3	Flow nature of river /stream		
4	Whether river /stream confines within banks during floods		
5*	Mean width of river/stream at site		

6	Low water level	
7*	Maximum flood level	
8*	Maximum flood discharge	
9	Corresponding stream velocity	
10	Catchment area(in case of small streams/thodu)	
11*	Bed level (mean)	
12*	Bed slope(mean)	
<b>F</b>	<b>General</b>	
1	What arrangements exist for crossing the river/canal at present	
a	During monsoon	
b	During dry season	
2*	Is the proposed alignment of the bridge skew/normal to the stream	
a*	If skew give the angle of skew	
<b>G</b>	<b>Super Structure</b>	
1*	Loading for the bridge to be designed for class A,class AA,tractor way etc	
2*	Proposed clear road width over the bridge	
3*	Whether double line or single line	
4	Proposed width of foot paths if necessary	
5	Levels of approach roads	
6	Proposed formation level of the road over the bridge at the center	
7	Gradient if any, in the road formation along the length of the bridge	
8*	Is the proposed bridge submersible at high flood level	
<b>H</b>	<b>Foundations</b>	
1	Are there any bridges existing on the stream 500m U/S or D/S	
2	If so their positions are marked on the site plan(distance from the proposed structure shall clearly be marked	
<b>I</b>	<b>Check List</b>	
1*	Location plan	
2*	Cross section of the Structure	
3	Contour Survey plan	
4*	Longitudinal section	
5*	Detailed soil investigation report with bore hole details,specifying all soil parameters of foundation and specific recommendation of	

	soil consultant	
6*	Proposal drawing of the bridge showing the general arrangement on the cross section at the site with all important levels,details of foundation,substructure	
7	List of existing check dams at upstream side up to 1 km including their distance from the proposed site	
8	List of existing check dams /regulators at downstream side up to 2 km including their distance from the proposed site	
9*	Cross section of river/stream at site including banks with levels properly marked	
10*	Cross section of river/stream at site including banks with levels properly marked(at 15.00m intervals for 60m upstream of site)	
11*	Cross section of river/stream at site including banks with levels properly marked(at 15.00m intervals for 60m downstream of site)	
12*	Site plan showing flow direction of the river	
13*	Bore hole location layout	
a	No. of bore holes investigated at cross section at site(at least two in the river bed for narrow streams)	
14*	Scheme report giving details of scope of work,AS etc	

(\*) Indicated fields are mandatory