

INDENT FOR STRUCTURAL DESIGN TO IDRB			
BRIDGE			
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	Nature of stream		
1	Is the stream		
2	Nature of the stream in the vicinity of the proposed site		
3*	Bed level (mean)		
4*	Bed slope(mean)		
5	Low water level		
6 *	High flood level		
7	Ordinary flood level		
8	Bank level	Right	
		Left	
9*	Maximum flood discharge		
10	Allowable bearing capacity of the strata at the foundation level by conducting SPT		
11	Is the stream/canal navigable?		

a*	If so state if state water way or National water way	
12*	Vertical clearance	
13*	Horizontal clearance	
14*	Length of the vehicles likely to ply through the water way	
15*	Width of the vehicles likely to ply through the water way	
16*	Draft of the vehicles likely to ply through the water way	
17	Is the proposed alignment of the bridge skew/normal to the stream	
a*	If skew give the angle of skew	
D	Super Structure	
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	
9*	Is the proposed bridge submersible at high flood level	
10	Number of the span recommended	
11	Size of the span recommended	
E	Foundations	
1*	Plan showing the location of the borings and reduced levels at the proposed bridge site.All the boreholes should be at pier points at intervals of 10m to 15m and at 2 banks	
2	Test results of the sample bores giving there in the values obtained of the soil available at different depth in respect of value of Lacey's silt factor,angle of internal friction ,cohesion,rock recovery ratio	
3*	What types of foundations are recommended	
4	Are there any bridges existing on the stream 500m u/s or d/s	
a	If so their positions marked on the site plan(distance from the proposed structure ,bottom level of the deck slab etc shall clearly be marked	

F	Check List	
1*	Location plan	
2*	Site plan	
3*	Cross section of the river both u/s and d/s of the bridge for a distance of 0.5Km at 30 m interval	
4	Contour Survey plan	
5*	Longitudinal section	
6*	Detailed soil investigation report with bore hole details,specifying all soil parameters of foundation and specific recommendation of soil consultant	
7*	Proposal drawing of the bridge showing the general arrangement on the cross section at the site with all important levels,details of foundation,substructure	
8*	Cross section of the river at the location of the bridge	
9*	Scheme report giving details of scope of work,AS etc	

(*) Indicated fields are mandatory