

LIST OF DOCUMENTS REQUIRED FOR DESIGN/VETTING OF CROSS/HEAD REGULATORS ACROSS CANALS

Name of Canal		Remarks
Sub-Division		
RD of Regulator		
Type of Regulator	Cross/Head Regulator	
Bridge Requirement	Foot bridge required/Road bridge width etc.	
FSL of U/s Channel (Parent Channel)		
FSL of D/s Channel (Parent Channel/ offtake Channel)		
Ponding Level	If required.	
Angle of offtake channel	If Required.	
Specific Requirements:-	Such as size of gates or No. of gates or flow pattern needed.	
Existing structure, if any (In absence of approved drawings provide detailed survey/ sketch having all parameters shown in next column)	Approved Drawings Design Discharge Total Waterway No. of Spans Span Length Type of Foundation Foundation Level Existing Road Level Reason for remodeling/Re-construction	Duly Signed by concerned J.E.,S.D.O.& XEN
Approved L-Section of Parent Channel & offtake Channel	Design Discharge Full Supply Level Designed Bed Level Designed Bed Width Bed Slope Design Velocity Side Slope	Duly Signed by concerned J.E.,S.D.O.& XEN
Site Plan		Duly Signed by concerned J.E.,S.D.O.& XEN
Existing Cross Sections (at proposed RD, 100 ft U/s & D/s and 250 ft U/s & D/s)	Existing Bed Width Existing Bed level NSL (Left and Right) Lined/ Unlined	
SSWL & NSL		
Bearing Capacity Report	Top of Bore Hole Level Soil properties (such as N values, soil density, ϕ value etc) Silt Factor Soil Bearing Capacity calculation depending upon type of foundation i.e. shallow foundation or deep foundation)	