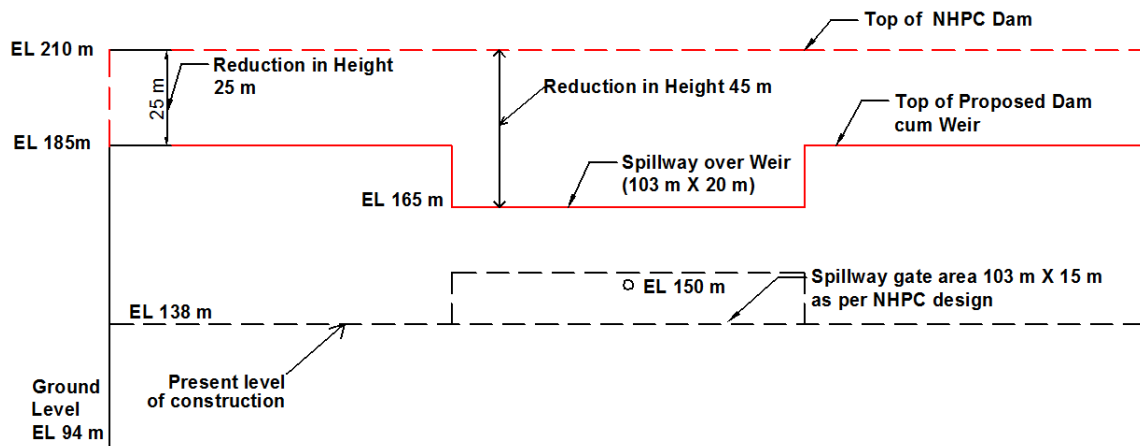
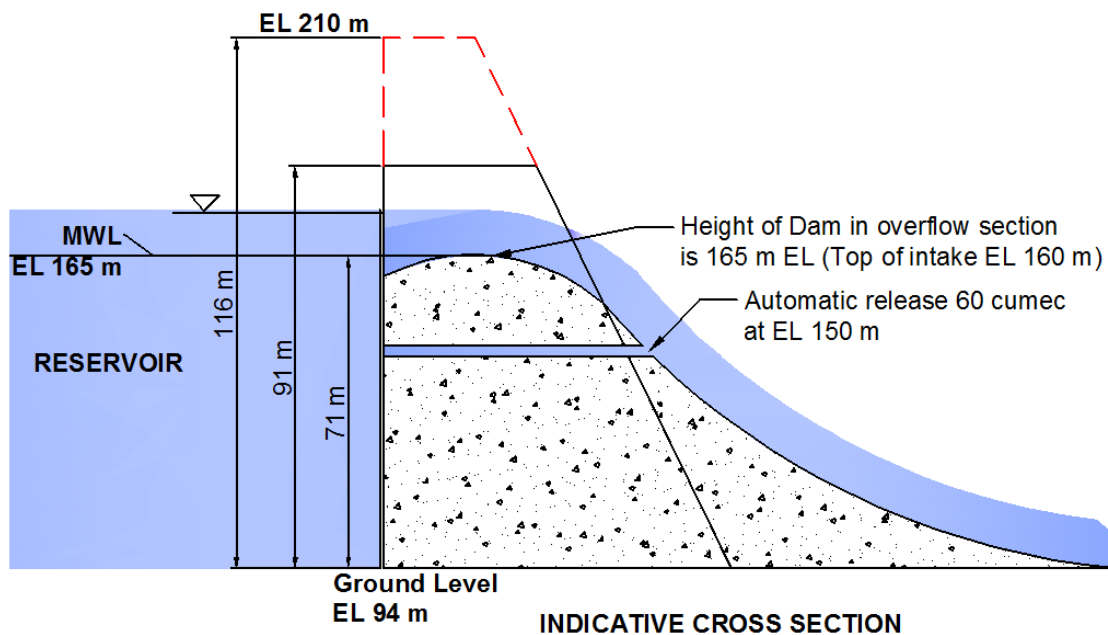


Existing and corrected features of Dam

SUBANSIRI LOWER HYDROELECTRIC PROJECT (SLHEP) Proposed 24 X 7 Sustainable Dam cum Weir as an alternative to 4 hr Generation Model of NHPC Ltd.



FRONT VIEW OF THE PROPOSED DAM CUM WEIR SHOWN IN FIRM LINES IN THE DAM FEATURES OF NHPC LTD.



INDICATIVE CROSS SECTION

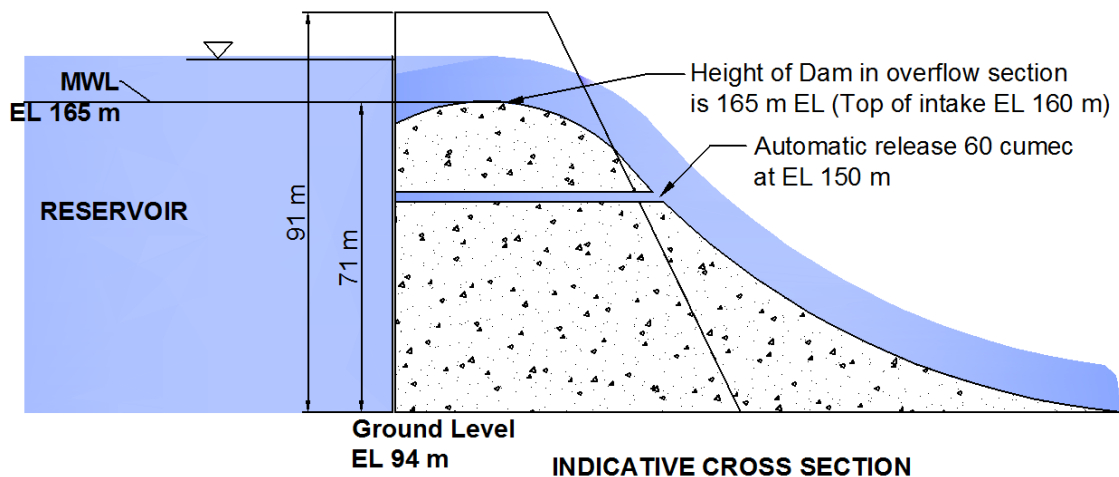
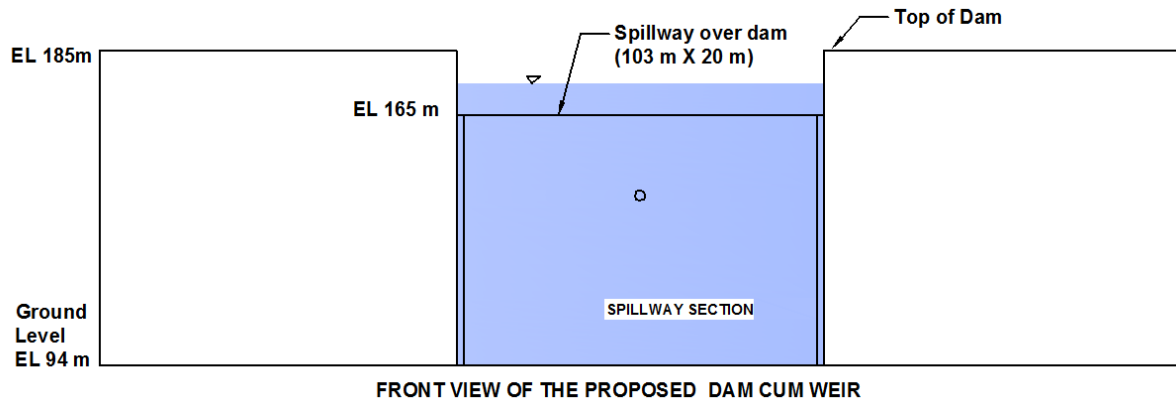
If the 4 hr generation dam model of NHPC Ltd. is converted to a 24 X 7 generation dam cum weir:

1. Dam height is reduced in spillway overflow section by 45 m.
2. Dam height is reduced in the flanks both side of the spillway by 25 m.
3. Minimum pondage level will be maintained at El 165 m.
4. It is feasible to change the proposed Subansiri lower hydroelectric dam of NHPC Ltd. to a dam cum weir as shown because present level of construction is only at El 138 m.

People will welcome the sustainable dam cum weir and present impass where construction is stopped since Dec. 2011 due to peoples protest, will be removed.

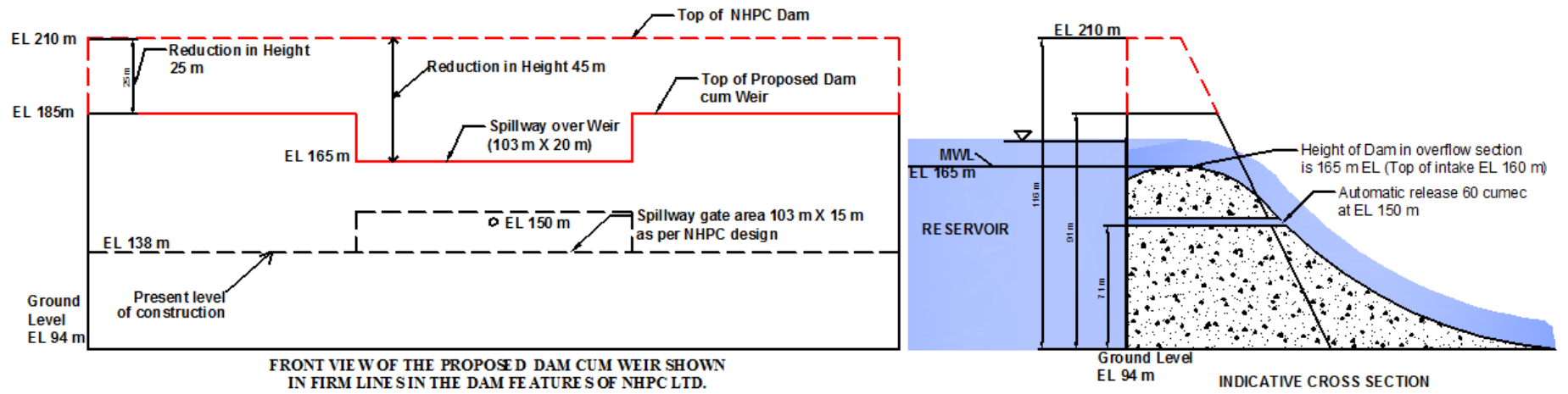
Final View after Modification

SUBANSIRI LOWER HYDROELECTRIC PROJECT (SLHEP) Proposed 24 X 7 Sustainable Dam cum Weir as an alternative to 4 hr Generation Model of NHPC Ltd.



Sustainable Dam cum Weir:

1. Water flows over the weir at elevation 165 m and through one turbine (225 – 250 cumec). Natural flow of the river occurs
2. 60 cumec of water is released automatically through the dam cum weir at EL 150 m through a pipe, which will take care of the longitudinal connectivity of 1/2 km from the dam up to the released point of the turbine water from the power house, if on very rare occasion the pondage level comes down to EL 165 m in any specially lean month.
3. Existing intake and power house as constructed will be utilized. Nothing is needed for the conversion except change of the mindset.



Please send your comments if any to pkbhuyan2014@gmail.com