

## CHECK LIST No.10

### JUSTIFICATION FOR LOCATING THE PROJECT IN THE FOREST AREA

The Atal Tunnel Rohtang provides year long connectivity to armed forces for the supplies to the forward posts. It also provides easy access to market to farmers, horticulturalists and inhabitants of Lahaul. The Atal Tunnel Rohtang is located in central crystalline group of rocks. On the Southern slopes, group of phyllitic and schistose rocks are exposed while on Northern slopes magnetic rocks are present. During the excavation work of the tunnel, BRO faced a number of problems, muck flow & deformation were the major problems. An expert Committee was formed by MoD to assess the possibility of diverting the Seri Nalla and to suggest the remedial measures for plugging the leakages inside the tunnel. Accordingly, BRO and expert team from NHPC visited the Seri Nalla site on 21.05.2021. The water discharge of about 6 cumec was observed in nalla near South portal. The width of nalla bed varies from 25m to 50m near proposed T-weir-3. The water discharge of 2.5 to 3 cumec was observed at this location.

The team visited the entire tunnel and observed seepages in the tunnel between chainage  $\pm 1600\text{m}$  to  $2650\text{m}$ . Further, the pavement drain and bottom were found to be flowing with 90% capacity. The approach to Seri Nalla is through foot track only and that too upto upstream near proposed T-Weir site (T-3). The Seri Nalla is characterized by steep cliffs on both banks covered with slope wash material. During the treatment/diversion work of Seri Nalla heavy oversized vehicles are likely to ply for which the road has been proposed. The construction of road will be on geometric standards as per IRC code keeping in view that heavy machinery, equipments are required for the purpose. Various retaining structures such as B-walls, R-walls culverts and slope stabilization measures will be done in the road width. Therefore, 3.7862 ha of forest land has been proposed to construct the road so that safety measures for Atal Tunnel Rohtang could be made.

Countersigned –

Signature of User Agency

Office Seal



**Divisional Forest Officer  
Kullu Forest Division, Kullu.**