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SUMMARY AND CONCLUSION

The proposed drilling location will be planned in agricultural or fallow land or government land. In case of government land suitable permission will be taken from the State government. The drilling operation is unlikely to have any negative impact on the livelihood of local population as only one ha of land per well will be used. Further the land will be reinstated to its existing condition as far as possible. The area being away from the major ecological sensitive locations, the proposed exploration activity is not likely to have any significant negative impact. The land for the drill site is obtained on lease from the land owners & one of the typical conditions of the lease agreement is that in case of no discovery the land has to be restored to its original condition & given back to the land owner. Hence, there will be drill site restoration work in case there is no discovery.

The Upper Dihing reserved forest is in the northern side of the block. Other historical monument, archaeological site, dam or reservoir, declared national park/wildlife sanctuary/tiger reserve/elephant reserve, declared biosphere reserve, and declared habitat of migratory birds are not present in the block.

The main source of liquid effluents generated during the drilling operations will be from the spent drilling fluid resulting from the cleaning of the cuttings from the drilling fluid circulation system. However the drilling fluid to be used for the drilling of wells will be water based mud, which will not pose any risk of contamination to subsurface formations, and the disposal of the fluid and cuttings will also be less problematic.

The major solid wastes generated during operations will be the rock cuttings. These will be separated from the circulation system and adequately dried and stored at site temporarily in separate cuttings pit.

As a result of the control measures and management processes in place, there should be no significant impacts resulting from the proposed operations. A robust environmental management plan (EMP), which includes mitigation management matrix as well as environmental monitoring protocols, have been included. This plan is primarily an implementation document for the operator as well as an audit document for any regulatory body to see if prescriptions of the EIA are being implemented.

To ensure that adverse environmental impacts are minimized and sustainable development of the area is possible, Block Operator will ensure that the following monitoring targets during the drilling operations are at least met:

- Periodic check on wastewater discharge quality
- Periodic check of water quality of natural water bodies around the drilling site
- Performance of comprehensive waste management plan as outlined in the EMP
- Periodic check of protective measures in place.