Annexure No. 6

Internal Audit Checklist / Format

No.	Planning	GAP	Corrective Action	Person responsible and timeline
1	Select a TMF site based on Good International Industry Practice (GIIP) and fatal flaw analysis considering the topography, mine site layout, proximity to process plant, gradient, distance from human habitat, and important environment receptors such as water bodies, wetlands, heritage site, etc. **(Ref Annexure 1).**			
2	The TMF has current stage – storage capacity curve and it is located in an area that allows for expansion to meet tailings storage requirements over the life of the mine / facility.			
3	Business has evaluated various tailing disposal methods including conventional slurry disposal, thickened tailings, paste tailing, and co-disposal methods etc. towards tailing related business risk mitigation at optimal cost of tailings disposal over life of the project.			
	Design			
4	TMF is designed in compliance with permit requirements and in consideration of national and international standards on dam design such as CDA, MAC, ICOLD, etc. with adequate margins of safety for prevailing climate, seismic, environmental conditions and the site's risk classification.			
5	The Designer/Engineering company has accounted for decommissioning, closure, and rehabilitation aspects in the design of the TMF to minimize business risk over life of the project.			
6	The Designer/Engineering company is actively involved in TMF site selection, planning, geotechnical investigation etc. prior design of the TMF and submitted the TMF investigation and design report in line with Vedanta TMF performance standards requirement.			
7	The Designer/Engineering company has provided a comprehensive TMF design including the TMF structure design, pipelining, and pumping systems design tailings delivery and decant systems design etc. in order to minimise business risk and optimize total cost of the tailing operation over the life of the TMF.			
	Construction			
8	Business has engaged a qualified contractor for construction and a qualified third party consultant to monitor TMF construction work. The third party consultant submits comprehensive construction report in line with the Vedanta TMF performance standard.			
9	The Designer/Engineering company undertake periodic site visits during TMF construction to review and certify the completion of the construction work in with the design requirement.			
	Operation, Monitoring, and Surveillance (OMS)			
10	Business has developed a comprehensive Tailing Management Plan (TMP) including standard operation, Maintenance and surveillance (OMS) procedures and, defined roles and responsibilities for managing TMF in line with Vedanta TMF performance standard.			

No.	Planning	GAP	Corrective Action	Person responsible and timeline
11	The Designer/Engineering company has incorporated adequate surveillance and monitoring system / equipment such as piezometers, embankment survey monuments, etc. in the design, which subsequently incorporated in construction and monitored during operation phase towards evaluation of performance of TMF.			
12	Operation has developed documented monitoring systems which review at various level in line with Vedanta TMF standard.			
13	Business has developed comprehensive emergency response plan that is periodically evaluated through desktop assessments, mock drills, and updated annually at minimum.			
	Management system			
14	Business has designated "TMF Manager" supported by cross functional team from relevant function / department for effective management of the tailings operation.			
15	Business has identified significant Public health and Safety and environment hazards over life cycle of the project (siting, design, construction, operation, (temporary and final) closure and rehabilitation), and developed a risk register to manage these environment, public health and safety, social and economic risks in line with Vedanta risk management framework.			
16	Business undertake periodical risk assessment and develop risk mitigation plan. The TMF related risk and mitigation plan are discussed at various level at the unit, business and the Vedanta level.			
17	The Designer /Engineering company is engaged as "Engineer of record" who works seamlessly with the business in managing TMF over its complete the life cycle.			
18	Business has implemented the Vedanta - Change Management Standard for material changes in investigation, design, construction, operation, and monitoring processes including the people involved in managing these aspects.			
19	Business conducts periodical internal audits to check compliance against the Vedanta TMF standard and undertake appropriate corrective action.			
20	Business undertake third party independent audit of the tailing dam at prescribed frequency in the Vedanta TMF standard.			

** Business may develop detailed internal audit format using “Mining Associate of Canada (MAC) “Guide to Management of Tailing Facilities” (2011) and other relevant MAC documents.