



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW2_021	02-Jul-19	F	Turbidity (NTU)	43.9	24.4	32.7	Possible reason: Natural variation in water quality due to raining in the vicinity of the water quality monitoring station.
			pH	7.8	6.6-8.4	6.5-8.5	
			SS (mg/L)	25.8	17.0	23.8	Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 43.76 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 2 July 2019. Increased the monitoring frequency to daily on 3 July 2019, exceedance was recorded (Turbidity = 31.8 NTU). No exceedance was recorded in the in-situ measurement on 4 and 5 July 2019. For suspended solid, no exceedance was recorded on 4 July 2019. Data sheet are attached for reference.
			DO(mg/l)	8.2	5.8	5.5	Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 3 July 2019. The weather condition was rainy from 1 to 4 July 2019. Silty water was observed at monitoring station F during water quality monitoring. The high readings of turbidity and suspended solid were also recorded at monitoring station E (Turbidity = 24.1 NTU and suspended solid = 17.7 mg/L), AC2 (Turbidity = 24.7 NTU and suspended solid = 10.6 mg/L) and AC3 (Turbidity = 38.2 NTU and suspended solid = 25.7 mg/L), the reference stations at upstream of station F and silty water was observed from the water collected. Survey checking and central median removal were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 2 and 3 July 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.
X_18RIW2_022	10-Jul-19	F	Turbidity (NTU)	124.9	24.4	32.7	Possible reason: Natural variation in water quality due to raining in the vicinity of the water quality monitoring station.
			pH	10.7	6.6-8.4	6.5-8.5	
			SS (mg/L)	176.5	17.0	23.8	Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 124.5 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 10 July 2019. Increased the monitoring frequency to daily on 11 July 2019, no exceedance was recorded. For pH, A repeated in-situ measurement (pH = 10.67) had been conducted immediately to confirm the exceedances. Increased the monitoring frequency to daily on 11 July 2019. For suspended solid, exceedance was recorded on 12 July 2019. Data sheet are attached for reference.
			DO(mg/l)	7.6	5.8	5.5	Remarks/ Other Observations: The weather condition was rainy From 9 to 11 July 2019. Silty water was observed at monitoring station F during water quality monitoring. The high readings of pH, suspended solid and turbidity were also recorded at monitoring station AC2 (pH = 8.2, suspended solid = 291.7 mg/L, turbidity = 118.0 NTU) and AC3 (pH = 11.0, suspended solid = 93.5 mg/L, turbidity = 95.4 NTU), the upstream station at Fei Ha Road, and silty water was observed from the water collected. Survey checking, site clearance, soil nail and central median removal were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 10 and 11 July 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.



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X_18RIW2_023	12-Jul-19	F	Turbidity (NTU)	21.3	24.4	32.7	<p><b>Possible reason:</b> Natural variation in water quality due to raining in the vicinity of the water quality monitoring station.</p> <p><b>Action taken/ to be taken:</b> Checking with contractor for the construction activities conducted on 12 July 2019. No exceedance was recorded on 15 July 2019. Data sheet are attached for reference.</p> <p><b>Remarks/ Other Observations:</b> The weather condition was rainy From 11 to 12 July 2019. Silty water was observed at monitoring station F during water quality monitoring. The high readings of suspended solid was also recored at monitoring station AC3, one of the upstream stations at Fei Ha Road, (Suspended solid = 181.5 mg/L) and silty water was observed from the water collected. Survey checking, site clearance, soil nail and central median removal were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 12 July 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	8.2	6.6-8.4	6.5-8.5	
			SS (mg/L)	107.5	17.0	23.8	
			DO(mg/l)	7.9	5.8	5.5	
X_18RIW3_024	22-Jul-19	I	Turbidity (NTU)	96.9	206.9	214.2	<p><b>Possible reason:</b> Natural variation in water quality due to raining in the vicinity of the water quality monitoring station.</p> <p><b>Action taken/ to be taken:</b> Checking with contractor for the construction activities conducted on 22 July 2019. Exceedance was still recorded on 24 July 2019. Data sheet are attached for reference.</p> <p><b>Remarks/ Other Observations:</b> Silty water was observed at monitoring station I during water quality monitoring. Survey checking and excavation was commenced at RIW2 construction site area under Contract No. NE/2017/03 on 22 July 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	7.2	6.6-8.4	6.5-8.5	
			SS (mg/L)	332.0	172.8	201.4	
			DO(mg/l)	7.3	5.8	5.5	
X_18RIW3_025	24-Jul-19	I	Turbidity (NTU)	301.3	206.9	214.2	<p><b>Possible reason:</b> Natural variation in water quality in the vicinity of the water quality monitoring station.</p> <p><b>Action taken/ to be taken:</b> A repeated in-situ measurement (Turbidity = 301.85 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 24 July 2019. Increased the monitoring frequency to daily on 25 July 2019, no exceedance was recorded. For suspended solid, no exceedance was recorded on 26 July 2019. Data sheet are attached for reference.</p> <p><b>Remarks/ Other Observations:</b> The weather condition was rainy on 24 July 2019. Silty water was observed at monitoring station I during water quality monitoring, meanwhile, other existing construction site at Fei Ha Road was observed at upstream. The high readings of turbidity, and suspended solid were also recored at monitoring station AC2, one of the upstream station at Fei Ha Road, (turbidity = 42.3 NTU, suspended solid = 128 mg/L) and water in grey colour was observed from the water collected. Survey checking bore pile was commenced at RIW2 construction site area under Contract No. NE/2017/03 on 24 July 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	7.2	6.6-8.4	6.5-8.5	
			SS (mg/L)	295.0	172.8	201.4	
			DO(mg/l)	7.9	5.8	5.5	