

3.1 Detour Canyon [PELLY-PELLY-0567-B]

Detour Canyon is a potential hydroelectric project on the Pelly River, located in the Pelly River Basin approximately 85 km downstream (northwest) of Faro. The total drainage area is estimated to be 28,500 km².

The major components of the preliminary project layout are listed in Table 10. The project components are shown in Figure 8 and described in more detail as per sections listed in Table 10.

Table 10: Detour Canyon Major Project Components

Component	Drawing Item	Description Section
Intake Structure	①	3.1.1
Dam	②	3.1.2
Spillway	③	3.1.3
Reservoir	④	3.1.4
Power Tunnel and Penstock	⑤	3.1.5
Powerhouse	⑥	3.1.6
Fish Conveyance ⁶	See Note 6	See Note 6
Switchyard	⑦	3.1.7
Transmission Line	⑧ ⁷	3.1.8
Access Infrastructure (Roads & Bridge)	⑨	3.1.9
Temporary Construction Works	⑩	3.1.10

⁶ At this stage of study, upstream fish passage is expected to be facilitated via fish ladder. During subsequent phases of development, different alternatives may be considered including, but not limited to, mechanical lifts or trap-load-haul operations. Downstream fish passage is expected to be facilitated through fish friendly turbines (e.g. Kaplan Turbine).

⁷ The transmission line is not shown on the drawing but is expected to approximately follow the access road from the switchyard to the interconnection point.

Figure 8: Detour Canyon Layout

