**TERMS AND REFERENCES**

for Consultancy Service of Zhinvali HPP tailrace tunnel inspection and Rehabilitation Works’ Project Development

Introduction: The service to be purchased is the development of the project for the “Zhinvali” HPP tailrace tunnel rehabilitation works.

The main parameters and description of Zhinval HPP and its tailrace tunnel are presented in the Inspection of Tunnel conducted last year (May 2021), also inspection in 2022 Year and final report of rehabilitation works 2024, which will be given to the interested bidders after signing the respective NDA. After studying mentioned documentation the bidders will have an opportunity to visit site. The inspection will be possible in November 2024 (date will be specified for announcement moment).

During the project design elaboration, the following factor should be taken into consideration: the time for rehabilitation works, including mobilization and demobilization works, in tunnel is 35-40 calendar days (the tailrace tunnel rehabilitation start date is 10-15 May).

Scope of works:

1. The types of damages mentioned in the inspection report should be studied, the researched data should be taken into consideration. The locations, volumes and schedule should be established;
2. Rehabilitation works priorities determination, determining the methodology and technologies of the works to be done and agreeing with the customer;
3. Determination the volume of the works according to the customer’s budget and the works duration (approximate budget is 1,8 million GEL, excluding VAT);
4. Specification of the rehabilitation works and already established volumes (if there were some changes after the first inspection to compare with the inspection in February);
5. Works cost estimating according to the actual standards in Georgia;
6. Tender documentation preparation;
7. Provision of Technical Supervision, during the Rehabilitation works (methodology, technology and quality). If necessary, changing of priorities (works determined earlier) or /and make an operative decision together with Customer about adding additional, unforeseen works;
8. Assessment of completed works with full description, preparation of corresponding execution drawings and final report presentation; other necessary documentation preparation;
9. The insurance of performed project works should be presented