

**OUTLINE TERMS OF REFERENCE FOR CONSULTING SERVICES
FOR
CONSTRUCTION OF AMINBAZAR-MEGHNAGHAT 400KV TRANSMISSION LINE AND
AMINBAZAR-OLD AIRPORT 230KV TRANSMISSION LINE
AND ASSOCIATED GIS SUBSTATION**

1. The consultant will act as the technical advisor to assist PGCB in the implementation of the above projects and the terms of reference include:

- (i) Prepare the bidding documents including technical specifications, price schedules, etc.;
- (ii) Assist PGCB to clarify queries from prospective bidders during the bidding period;
Assist PGCB in evaluation of the bids received and prepare recommendations for approval;
Check the contractor's technical design submissions and drawings and submit comments and recommendations to PGCB for approval of various design aspects;
- (v) Supervise foundation casting, tower erection and stringing of transmission lines;
- (vi) Supervise all civil works in substations, erection/installation of substation equipment;
Supervise testing and commissioning of all substation equipment including control, protection and metering;
Supervise the final testing of power line carrier (PLC) and fiber optic multiplexer equipment;
Prepare and submit the following reports (a) reports on supervision works and quality assurance of the casting of foundations, erection of towers and stringing of conductors for the line portion, and (b) reports on supervision works and quality assurance associated with substation civil works, erection of substation equipment, substation control and protection, and PLC and fiber optic multiplexer equipment;
- (x) Check and certify as-built drawings;
- (xi) Check and certify operation and maintenance manuals; and
- (xii) Provide a site short training program for two weeks on line design, tower design, substation design, protection and control design, and prepare tender specifications for transmission lines and substations, PLC and fiber optic communication as protection signaling system.