





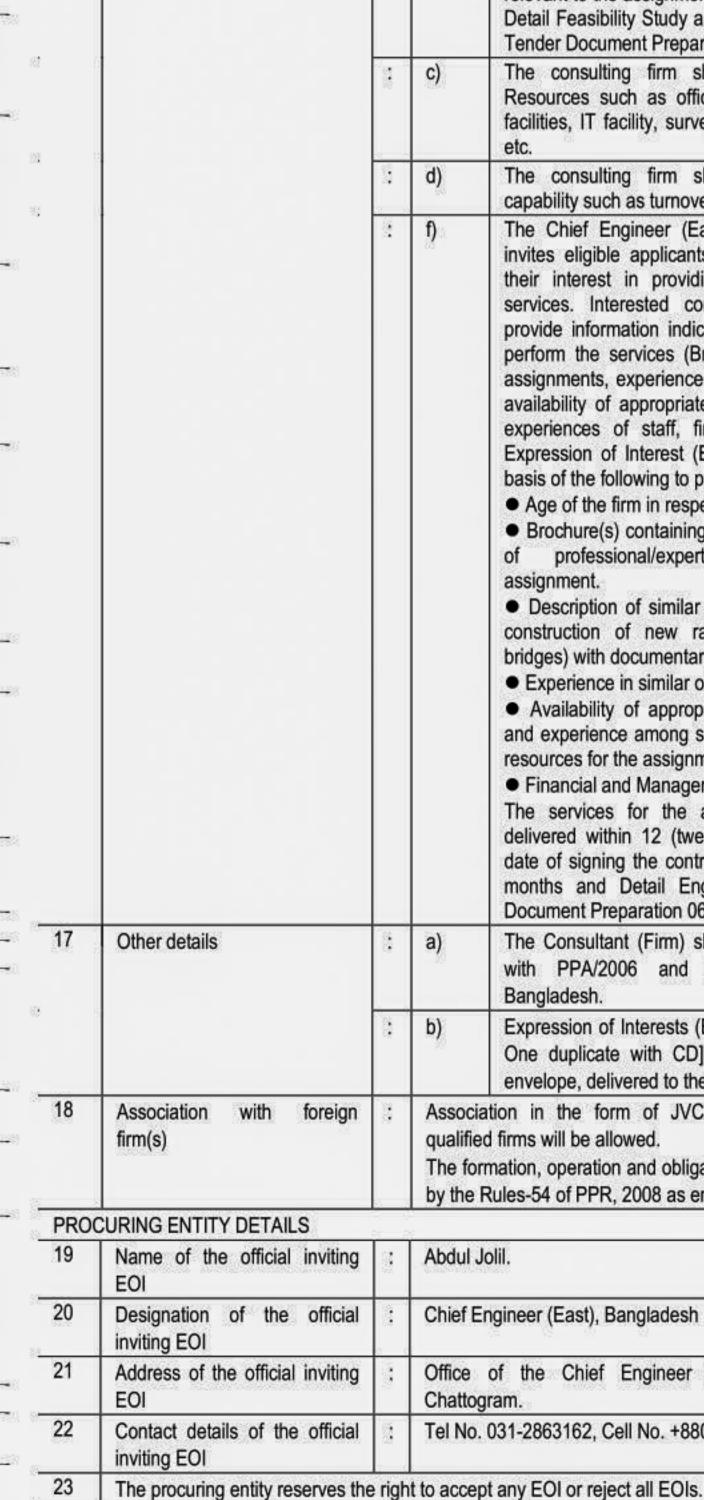
CBS (Quality and Cost Based Selection).	
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to	lity Study and Detail Design for Construction of a Railway Sunamganj. 2019 at 12.30 hours.
	The scopes of consultancy services for the feasibility study include but are not limited to are as follows:
	Feasibility Study:
	Conduct Detail Topographic Survey using latest technology and equipments (e.g. RTK-GPS, DGPS, Total Station etc.) along the project area to identify suitable alignment.
	Recommendation for best suitable alignment duly considering the topography, land formation, commercial aspects, economical and safeguard considerations, existing infrastructures of the area, ongoing and future development plan and schemes of both the Government of Bangladesh and private sectors in the area.
	 Conduct hydrological and morphological study where needed. Conduct detail Hydrographic survey where needed. Conduct detail soil investigation along the alignment.
	Recommendation for the best possible technical solution for Signaling & Telecommunication system to be concerned.
	Conduct detail traffic survey and collect both primary and secondary data to find out actual demand of transportation facilities in proposed Sunamganj Railway Link.
	Conduct Economic and Financial analysis for the project is to be prepared in accordance with the standard practice and guidelines of Planning Commission for considering the project viable.
	Conduct Social Impact Assessment and analysis according to GOB's Guideline.
	Prepare a Land Acquisition Plan (LAP) with cost and a Resettlement Action Plan (RAP) acceptable to the government in compliance with the Requisition of Immovable Property Ordinance (1982) of Bangladesh and relevant laws and regulations related to land acquisition and resettlement.
	The project will have to be screened for its environmenta impacts compliance with the requirements of the government's guidelines.
	Detail Engineering Design:
	 Conduct detail soil investigation along the alignment. Detail design of all the structures including design of embankment, railway track, bridge, viaduct, stations and yards, signaling and telecom, residential and functional and other facilities along with electrical design.
	 Dynamic analysis of the main bridges, viaducts & other structures where applicable.
	Stability of all the structures should also be checked against earthquake & wind loads where applicable according to the international best practices.
	 Prepare detailed cost estimates for the proposed project, showing foreign exchange, local currency, tax and duty elements etc. Cost estimates will be conducted keeping in view of the international trends in price fluctuation and exchange rates, international shipping rates and steel prices, which are undergoing rapid changes;
	Preparation of construction work plan in detail.
	Economic and Financial Analysis of the project based on the cost of detail design.
	 Prepare Terms of Reference for construction

supervision consultancy services.

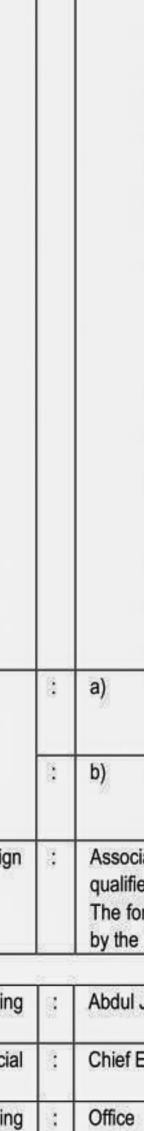
accordingly.

components based on detailed cost estimate. Bill of

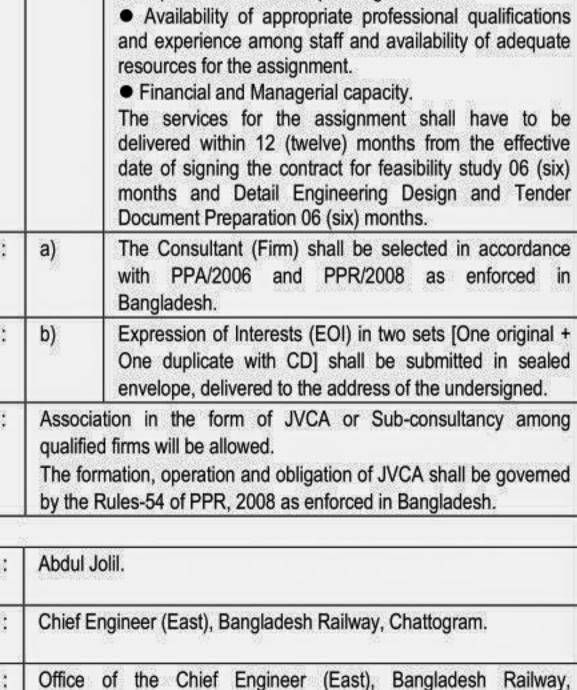
quantities and tender base prices would be fixed



GD-705



Chattogram.



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