



“শেখ হাসিনার উদ্যোগ, ঘরে ঘরে বিদ্যুৎ”

ASHUGANJ POWER STATION COMPANY LTD.
(An Enterprise of Bangladesh Power Development Board)
Ashuganj, Brahmanbaria-3402, Bangladesh

Phone: +88-08528-74044, Fax: +88-08528-74014,

E-mail: apsccl@apsccl.com, apscclbd@yahoo.com, Website: www.apsccl.com

APSCCL/100MWHFO/PD/Amendment/2017/09

Dated: 28/12/2017

Amendment-03

Subject: Procurement of design, manufacture, inspection, testing, delivery to the Site, installation, testing & commissioning, performance test and related civil and building works including two years warranty period of Ashuganj 100 MW HFO Power Plant Project on Turnkey basis.

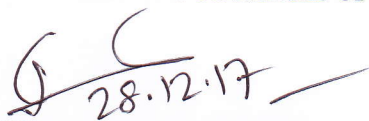
Tender reference No.: APSCCL/100MWHFO/PD/IFT/2017/01, dated: 23/11/2017

Sl. No.	Clause No./Page No.	Items/ Descriptions	Existing	Amended as
1	Item (i), Page 12, volume 1 of 2 and other relevant clauses	Conditions of Rejection of a Tender	The tenderer must submit the authorization letters from the manufacturer stating the commitment of the manufacturer to supply engine generating sets, step up transformer, HV and LV circuit breakers of the project. The offered engine generating sets, HV and LV circuit breakers must be manufactured in European Union or G-8 countries.	The Tenderer must submit the authorization letters from the manufacturer stating the commitment of the manufacturer to supply engine generating sets, step up transformer, HV and MV circuit breakers of the project. The offered engine generating sets, HV, MV and LV circuit breakers must be manufactured in European Union or G-8 countries.
2	ITT Clause: 5.0, Page-15, volume 1 of 2	REQUIREMENTS FOR TENDERERS	A Tenderer who is not a manufacturer for Engine Generating set, Step-up Transformers, HV and LV circuit breakers shall provide “Letter of Authorization” from the manufacturer.	A Tenderer who is not a manufacturer for Engine Generating set, Step-up Transformers, HV and MV circuit breakers shall provide “Letter of Authorization” from the manufacturer.
3	SC Clause: 29.2, Page-153, volume 1 of 2	Heat rate	If the net heat rate for the plant exceeds the guaranteed value [GUARANTEE SCHEDULE-A, Volume 2 of 2, Part-B] by the Contractor by more than One (1) percent, he shall pay to the APSCCL a liquidated damage an amount at the rate of Three (3) percent of the Contract Price for each one (1) percent or a part thereof increase in the heat rate on the guaranteed value	If the net heat rate for the plant exceeds the guaranteed value [GUARANTEE SCHEDULE-A, Volume 2 of 2, Part-B], the contractor shall pay to the APSCCL a liquidated damage an amount at the rate of three (3) percent of the contract price for each one (1) percent or a part thereof increase in the heat rate on the guaranteed value.
4	Clause: 2.0.2.7, Page-11,	EXHAUST SYSTEM	EXHAUST SYSTEM (with stack height not less than 55m) including following	EXHAUST SYSTEM (with stack height not less than 50 Meter) including following

	volume 2 of 2 (Part-A)		list...	list...
5	Clause: 4.3.1, Page-50, volume 2 of 2 (Part-A)	11 kV Generator switchgear: General	-Generator circuit breaker (SF6 draw out type)	-Generator Circuit Breaker (SF6/ Vacuum; draw out type)
6	Clause: 9.2, Page-97,98,99, volume 2 of 2 (Part-A)	Cable Types	9.9.1 11 kV XLPE POWER CABLE & BUS. 9.9.2 415 V Power Cables 9.9.3 CONTROL AND INSTRUMENT CABLES 9.9.4 230 kV XLPE POWER CABLE	9.2.1 11 kV XLPE POWER CABLE & BUS. 9.2.2 415 V Power Cables 9.2.3 CONTROL AND INSTRUMENT CABLES 9.2.4 230 kV XLPE POWER CABLE
7	Clause: 9.9.4, Page-99, volume 2 of 2 (Part-A)	230 kV XLPE POWER CABLE	9.9.4 230 kV XLPE POWER CABLE Bidder shall follow the clause 6.5 of volume 2 of 2 (Part-A) for details of 230 kV underground cable. The following matters shall also follow: (1) The cable shall be stranded annealed copper conductor. ----- The minimum size of 230 kV cable shall not be less than 1000 sq. mm. The copper conductor shall comply with latest IEC Standard.	9.2.4 230 kV XLPE POWER CABLE Bidder shall follow the clause 6.5 of volume 2 of 2 (Part-A) for details of 230 kV underground cable. The following matters shall also follow: (2) The cable shall be stranded annealed copper conductor. ----- The minimum size of 230 kV cable shall not be less than 800 sq. mm. The copper conductor shall comply with latest IEC Standard.
8	Clause: 12.3, Page-116, volume 2 of 2 (Part-A) "FUEL Treatment"	HFO Separators	The facility is equipped with two HFO separation units each comprises of two separator units, one Sludge tank and one sludge transfer pump. Separation will purify HFO by separating sludge, water and others as per requirement by engine. One separation unit (Consists of two separators) will purify oil required for whole plant operation and another unit will be kept for standby. Each separator unit comprises of following components.	The facility is equipped with 03 (three) HFO separation units each comprises of separator, delivery pumps, strainer, steam heaters, one Sludge tank and one sludge transfer pump etc. Separator will purify HFO by separating sludge, water and others as per requirement by Engine. Two separation units will purify oil required for whole plant operation and another separation unit will be kept for standby.
9	Clause: 17.10.3, Page-189, volume 2 of 2 (Part-A)	Design Parameters and Standard	f. Maximum spacing of fire hydrant : 60 mm	f. Maximum spacing of fire hydrant : 60 Meter
10	Clause: 9.9.3, Page-99, volume 2 of 2 (Part-A)	Control and Instrument Cables	-Mineral Insulated (MI) Cables. Mineral insulated control	-Mineral Insulated (MI) Cables. Mineral insulated control cables shall be used in the area of

	2 (Part-A)		cables shall be used in the area of installation where ambient temperature is normally above 550C.	installation where ambient temperature is normally above 55 degree Celsius.
11	Clause: 17.2, Page-164, volume 2 of 2 (Part-A)	Scope of Civil works	d) Slope and Streambed Protection:	b) Slope and Streambed Protection:
12	Page 50, Clause: 4.3.2 (5) Volume 2 of 2 (part-A) and other relevant clauses	11 kV Generator Switchgear: Type and rating	The short time three phase fault level rating for one second of the switchgear shall be of 80 kA (rms). The contractor shall check the system fault current level.	The short time three phase fault level rating for one second of the switchgear shall be of 40 kA (rms). The contractor shall check the system fault current level.
13	Page 15, Clause – 2.2.1 (1) VOLUME 2 OF 2 (PART A) and other relevant clauses	230 kV Switchgear Equipment	230 kV CIRCUIT BREAKERS Type: SF6	230 kV CIRCUIT BREAKERS Type: SF6, Live Tank

All other terms and conditions of the Tender shall remain unchanged.

 28.12.17

Md. Kamruzzaman Bhuyan

Project Director

Ashuganj 100 MW HFO Power Plant Project

APSCL, Ashuganj, Brahmanbaria-3402

Bangladesh.