

SCHEDULE OF QUANTITIES AND PRICES

NAME OF WORK : C/O TEEPANI MHS IN ANJAW DISTRICT OF ARUNACHAL PRADESH (SH : Supplying, erection, testing & commissioning of Electro-Mechanical equipments)

11.1 GENERATING PLAN / EQUIPMENT, AUXILIARIES & SWITCHYARD EQUIPMENTS

Sl. No	Item	Unit	Qty	Rs. in Lacs		Remarks
				Rate	Total	
A Generating Plant / Equipment : (As described in relevant Sections)						
1	Horizontal Francis Turbine to deliver 250 kW at generator terminals, each comprising of shaft, runner, casing, guide vanes, servomechanism, bearings, oil pressure unit, Butterfly valves, drainage / dewatering system and cooling water system including all other accessories as required.	Sets	2			
2	Electronic Governors including electronic cabinet complete in all respect and suitable for above generating sets.	Sets	2			
3	Main inlet valves each capable of handling rated discharge at gross head and suitable for fixing on penstocks	Sets	2			
4	415 VOLTS AC Distribution Board for utilities	Lot	1			
5	Mandatory spare parts and maintenance tools as per section 3.7	Lot	1			
6	Synchronous Generators 315 kVA (250 KW) 415 V, 0.8 PF, 50 HZ + 3% class 'F' insulation, brush less excitation terminal equipment i/c all accessories.	Sets	2			
7	Generator / Turbine control panels including protection, metering and control system, all indicating instruments, switches etc. for 2 Nos. units (incoming and Outgoing Panels)	Lot	2			
B 11 kV Switchyard Equipment : (As described in relevant Sections)						
8	315 KVA 0.415/11 kV step up transformers	Nos.	2			
9	11 kV vacuum circuit breakers with Control & Metering Panel	No.	1			
10	11 kV lightning Arrestors	Nos.	6			
11	11 kV Isolators / GoAB Switches	Sets	4			
12	11 kV Potential Transformers	Nos.	3			
13	11 kV Current Transformers	Nos.	3			
14	11 kV DO fuse Unit complete with all accessories	Set	3			
15	G I structures, insulators, conductor and hardware etc. for 11 kV switchyard i/c all civil works like C/o foundation work, all earth work, laying of stone chips etc., cable trenches etc. as required complete.	Lot	1			

Sl. No	Item	Unit	Qty	Rs. in Lacs		Remarks
				Rate	Total	
16	Earthing and shielding system for all equipments in power house and switchyard i/c networking complete.	Lot	1			
17	Any other item required for competeness of the Switchyard.					
C Power House Auxilliaries : (As described in relevant Sections)						
18	150 AH, 24 volt station battery and automatic Boost & Trickle charger complete with DC distribution board.	Lot	1			
19	Power & Control Cables as required	Lot	1			
20	Fire Protection System for Power House (Fire fighting equipment as per ISS)	Lot	1			
21	Lighting in Power House, Switchyard and appurtenant works	Lot	1			
22	Lightening protection of Power House	Lot	1			
D Any other item required for project completion and successful commissioning						

TOTAL :

Note

- (i) The rates quoted shall be inclusive of all taxes, duties and levies etc. and nothing extra shall be allowed over the quoted price.

11.2 ERECTION, TESTING AND COMMISSIONING

Sl. No	Item	Unit	Qty	Rs. in Lacs		Remarks
				Rate	Total	
1	Erection, Testing and Commission of all equipments as mentioned under 11.1 from (A), (B), (C) & (D) @ 4.75 %	Job	1			

Total

11.3 ABSTRACT OF COST

Sl. No	Particulars	Amount (Rupees in Lakhs)
1	Generating Plant / Equipment, Auxilliaries and Switchyard equipments (As per 11.1)	
2	Erection, Testing & Commissioning (As per 11.2)	