

SECTION - XI

SCHEDULE OF QUANTITIES AND PRICES

11.1 GENERATING PLANT / EQUIPMENT, AUXILLIARIES & SWITCHYARD EQUIPMENTS

| Sl. No | Item | Unit | Qty | Rs. in Lacs | |
|---|--|------|-----|-------------|-------|
| | | | | Rate | Total |
| A Generating Plant / Equipment : (As described in relevant Section) | | | | | |
| 1 | Horizontal Francis Turbine to deliver 125 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 | Synchronous Generators 160 kVA (128 KW) 415 V, 0.8 PF, 50 HZ + 3% class 'F' insulation, brush less excitation terminal equipment i/c all accessories. | Sets | 2 | | |
| 3 | Generator / Turbine control panels including protection, metering and control system, all indicating instruments, switches etc. for 2 Nos. units (Incoming & Outgoing Panels) | Lot | 1 | | |
| 4 | Electronic Governors including electronic cabinet complete in all respect and suitable for above generating sets. | Sets | 2 | | |
| 5 | Main inlet valves each capable of handling rated discharge at gross head and suitable for fixing on penstocks | Sets | 2 | | |
| 6 | Spare parts for equipments (turbine, generator, governors, VCB, Panel Board) and maintenance tools | Lot | 1 | | |
| B 11 kV Switchyard Equipment : (As described in relevant Section) | | | | | |
| 7 | 315 KVA 0.415/11 kV step up transformers | No. | 1 | | |
| 8 | 11 kV vaccum circuit breakers with Control & Relay | No. | 1 | | |
| 9 | 11 kV lightning Arrestors | Nos. | 6 | | |
| 10 | 11 kV Isolators | Sets | 2 | | |
| 11 | 11 kV PT | Nos. | 3 | | |
| 12 | 11 kV CT | Nos. | 3 | | |
| 13 | 11 kV DO fuse Unit complete with all accessories | Set | 1 | | |
| 14 | G I structures, insulators, conductor and hardware etc. for 11 kV switchyard | Lot | 1 | | |
| 15 | Earthing and shielding system for all equipments in power house and switchyard complete. | Lot | 1 | | |
| 16 | Maintenance tools | Lot | 1 | | |
| 17 | Any other required for completeness of the Switchyard | Lot | - | | |
| C Power House Auxilliaris : (As described in VI 6.8) | | | | | |
| 18 | 415 VOLTS AC Distribution Board for utilities | Set | 1 | | |
| 19 | Batteries, Charging Equipment and D.C. Board | Lot | 1 | | |
| 20 | Power & Control Cables | Lot | 1 | | |
| 21 | Fire Protection System for Power House | Lot | 1 | | |
| 22 | Lightning in Power House, Switchyard & appurtenant works | | | | |
| D Any other item required for project completion and successful commissioning of the project | | | | | |
| 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 during the entire period of execution.

11.2 ERECTION, TESTING AND COMMISSIONING (As described in relevant Section)

| Sl. No | Item | Unit | Qty | Rs. in Lacs | | |
|--------------|--|------|-----|-------------|-------|--|
| | | | | Unit | Total | |
| 1 | Erection, Testing and Commission of all equipments as mentioned under 11.1 from Sl. No. 1 to 22. | Job | 1 | | | |
| Total | | | | | | |

11.3 ABSTRACT OF COST

| Sl. No | Particulars | Amount Rs. in Lakhs |
|----------------|--|------------------------|
| 1 | Generating Plant / Equipment, Auxilliaries and Switchyard equipments (As per 11.1) | |
| 2 | Erection, Testing & Commissioning (As per 11.2) | |
| 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 during the entire period of execution.