***Schedule of item for Supplying, installing, testing & commissioning of 300 KVA (prime) Emergency Generator (1Set) for under Construction Hall Building and House Tutor Building of Jatir Janak Bangabandhu Sheikh Mujibur Rahman Hall, University of Dhaka***

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| SI. No. | **Description of Items** | Qty | Unit | Rate | Amount in Taka |
|  | **THREE PHASE GENERATOR (WITH AUTO TRANSFER SWITCH)** |  |  |  |  |
| 1 | Supply of 400 & 230 V, 3-phase, 4-wire, 50 Hz. air / water cooled, floor mounted, indoor type following continuous capacity (prime power) electric generating set suitable for tropicalized country complete with four stroke,1500 rpm, diesel engine with all standard accessories viz. 12/24 volt DC battery & auto battery charger with ammeter, radiator assembly, oil & fuel pump, auto speed governor, air cleaner, fuel & oil tank, level & oil pressure gauge, RPM & hour meter, start & stop switch, exhaust silencer (to keep standard emission level), mounting spring and vibration isolator (to keep very minimum vibration in the room), mounting steel base frame etc. including safety & protection device viz. auto shut off with indicators for overload, over & under voltage, high temperature, low oil pressure, over speed, low fuel level etc. coupled with brush less, self excited alternator having control panel with auto voltage regulator, voltmeter & ammeter with selector switch, frequency meter. |  |  |  |  |
|  | TPMCCB of required rating for overload & instantaneous short circuit release, manual charge over switch, indicator for ON-OFF-TRIP etc. including maintenance tools, 3 sets of detailed technical catalogues & maintenance manual and manufactured, assembled and tested in accordance with NEMA/IEC/VDE/JIS standard (Subject to satisfy standard test and approved by the committee. |  |  |  |  |
|  | **WITH ATS AND SOUND ATTENUATED  ACOUSTICALLY TREATED CANOPY (maximum sound level : 75 dBA at 7m distance from the generator in the room).** |  |  |  |  |
|  | The generating set shall be assembled & tested in USA / UK/JAPAN / EU countries. The diesel engine of the generating set shall be of Perkings(UK)/Deutz(Germany)/Cummins(UK)/ **Mitsubishi (Japan) / Volvo(Sweden) / Kohler(France) / Yanmar** (Japan)/ Cat(USA) brand and alternator shall be of **Stamford(UK) / Mecc Alte Spa(Italy) / Kohler(France)/ Cat(USA) brand.**  The engine, alternator, ATS, canopy shall also be manufactured and tested as per relevant standards in USA /UK/ JAPAN / EU countries & accepted / approved by the Committee. |  |  |  |  |
| a) | **300 KVA (Prime Power)** | 1.00 | Each |  |  |
| 2 | Installation, testing & commissioning of following electric generator on prepared cc pad with the help of necessary T & P, skilled labour, technician, Engineer including 2 hrs / 5 day trial run operation by skilled operator with supply of necessary fuel & lubricant as per manufacturers instruction manual and in accordance with relavent IEC/NEMA/VDE/JIS standards so that vibration transfer rate to foundation shall be almost zero. |  |  |  |  |
| a) | 300 KVA manual/auto/auto with sound-proof acoustically treated canopy generating set. | 1.00 | Each |  |  |
| 3 | Supply of Diesel for Generator | 400.00 | liter |  |  |
| 4 | Supply of Diesel container, Diesel lifting hand pump01no,Tray of2feetx1.5 feet GI sheet01 no,bucket&01no funnel | 1.00 | Set |  |  |
| Total Taka | | | | |  |

*Tk.....................................................................*

*In words..........................................................................................................................................................................in*

*Quoted basis of the schedule rate.*

*Contractors should quote their rate both in figures and in words clearly.*

*Superintending Engineer Elec,Zone-2.*

*University of Dhaka.*

*Sign. of the contractor............................................................*

*Address...................................................................*

*Date..........................................*