

Below is a detail of items required for subjected tender
Complete Tender documents have not been uploaded or emailed
as it is mandatory to have meeting with technical official of CIIT-
Lahore for issuance of tender Documents

Subject: BoQs of Generator 250KVA for New Hostel

Case # 2097

Opening Date 22-11-2017

Tender No: CIIT-TN-13-17-979

Sr .#	Item / Work Name with Specifications	Qty.	
1	<p>250 KVA Prime Rating D.G. set.</p> <p><u>A. Engine</u> (Cater Pillar/ Cummins/ John Deere or equivalent) Supply, Installation & Commissioning of following Diesel Generating sets 250 KVA, 200 KW prime power at 1500 RPM 0.80 PF 415/240 volts, 3 phase 50 Hz output Diesel Generator set directly coupled with Alternator, Fully Electronic control panel complete in all respect as per approved technical specification having electronic governor, AVR with PF controller of following sizes at 50° C, 90% relative humidity assembled on painted welded. Engine should be manufactured in a plant located in USA, UK, France or any other equivalent European country.</p> <p><u>B. Alternator</u> (Stamford/Leroy Somers/ Mcc Alte, or equivalent) steel bed-plate framework to accommodate engine complete with governor, balanced flywheel, heavy duty starting battery, charger, set or spare filters, engine panel with oil pressure and water temperature gauge, residential exhaust silencer, built in fuels tanks, water separator, voltage regulator and provided with radio & TV, TV interference suppressers, complete with AMF panel with all necessary metering switches, indicators and manufactures special tools, engine & alternator maintenance and instruction manuals, engine & alternator parts list and serial communication port, complete in all respects and as per specifications. including Transportation / loading & unloading .controlled Panel with all required cable & controlled wiring etc and other installation accessories. Alternator should be manufactured in a plant located in USA, UK, France or any other equivalent European country</p> <p>Warranty: One Year Complete Genset and Pannels Warranty shall be provided by the vendor.</p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.</p>	01	Nos.
2	<p>SOUND PROOF CANOPY (Local or equivalent) Supply and Installation of weather proof locally fabricated from sheet steel Gauge 14 x 16 SWG, deruasted phosphate & electrostatic painted, supper silent soundproof CANPOY with noise level of 85 dB at 1 meter of following sizes D.G. sets above complete with sound proof, flame retardant linings, sealed on surfaces, rust proof following sizes D.G. sets, complete with sound proof, flame retardant linings, sealed on surfaces, rust proof hinges</p>	01	Nos.

	<p>with rubber sunburst, stainless steel bolts & rivets, insulated Engine muffler mounted with in CANOPY, complete in all respects and to the entire satisfaction of the Engineer/Consultants.</p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.</p>		
3	<p>ATS Panel For 250 KVA Prime Rating D.G. set. Supply, Installation, connecting, and testing of ATS Panel Cabinet Type Free Standing Imported ATS Panel System with MOR according to Manufacturer's Standards consisting of all necessary controls (MCCB Breaker and Contactors) and monitoring instruments with all internal wiring and Auto Start / Stop and Auto Transfer arrangements suitable for 250 KVA Prime Powered Generating Set using best quality branded electrical / electronic components, internal wiring and box including manual load shifting system (in case auto system failure) and all accessories complete in all respects. with 01 No spare MCCB Breaker or equivalent for prime power rating of 250 KVA for Backup in Panel. (Components being used in Control Panel must of UK/EUROPE/USA Origin) or any equivalent European country.</p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.</p>	01	Nos.
4	<p>RCC Foundation of Generator For 250 KVA Prime Rating D.G. set. Providing and constructing of RCC foundation with 1:2:4 steel reinforcement as per design and requirement of generator manufacturer or as per structural design to be given by client, including cost of excavation, M.S steel bars, as per size required, refilling of excavation area. Thickness of RCC Foundation shall be as per structural design, all necessary materials, complete in all respects.</p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.</p>	01	Job
5	<p>Earthing System - Bore Type For 250 KVA Prime Rating D.G. set. Drilling of earth bore 4" dia up to 1st permanent water table, back filling, ramming, complete in all respect. Earthing bores shall be made at 6 to 8 feet away from foundation and distance between earth bore shall not be less than 10 feet, consisting of stranded electrolytic copper conductor of purity 99.9%, 1C-70 mm sq. to be installed in pre-laid G.I pipe or equivalent and connected to tinned copper spike at bottom of G.I pipe and to test link in man hole and from test link to desired location as per the instructions of the engineer. 2 Earthing leads shall be installed in G.I pipe, including cost of G.I nuts, bolts, Earthing Chemical washers, all necessary accessories, complete in all respects. Joints of copper conductor with G.I pipe shall be covered with 3 coats of bitumen.</p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether</p>	02	Job

	mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.		
Turnkey basis (Sr. # 1-5)			
6	<p><u>Service of Genset For 250 KVA Prime Rating D.G. set.</u> Service of Genset (250 KVA) for One Year, including replacement of Engine Oil, Air Filter, Fuel Filter, Water Separator, Oil Filter, Radiator cleaning and complete checking of Genset after every 250 hours. <u>Rate must be quoted for one time service.</u></p> <p>Note: It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.</p>	01	Job
A	<p><u>Power Cable</u> Pakistan/GM or equivalent Supply at site, installation, connection and commissioning of Power cables 185 mm.sq. 4 core cable wire PVC/PVC including cost of excavation and back filling with sand and brick complete in all respect.</p>	01	Meter
B	<p><u>Control Cable</u> Pakistan/GM or equivalent Supply at site, installation, connection and commissioning of control cables 2.5mm.sq. 6 core cable wire PVC/PVC including cost of excavation and back filling with sand and brick complete in all respect, complete in all respect.</p>	01	Meter

Special Terms and conditions:

1. Purchase / Work order shall be awarded on **Grand Total / Turnkey** basis (Sr. # 1-5).
2. Services contract shall be made for one year with the lowest evaluated financial bidder. Rate of Service must be quoted for one Job / Service which may be required after every 250 hours
3. Only authorized dealers of manufactures having Certificate of Authorized Dealership for both of the main parts of Genset i.e. **Engine** (Cummins, Cater Pillar, John Deer, or equivalent) and **Alternator** (Stamford, MccAlte, Lorey Somer or equivalent) are eligible to participate in tender and also attach the dealership letters / certificates with tender documents/ bid, failing which thereby bid may be rejected.
4. It should be clearly understood by the contractor / bidder that the above mentioned items shall be complete in all respects, including cost of necessary materials / accessories whether mentioned or not but are required for proper functioning of the system shall be deemed to be included in the cost of each above mentioned items, no extra charges shall be paid or claimed by the contractor / bidder.
5. Please submit the bid on our prescribed BoQs, otherwise your bid (s) may be rejected.
6. Multiple rates of an item may lead to the rejection of bid / item.