Comparative Statement
Supply, Installation, Testing & Commissioning of 850KVA Diesel Stand By Generator Set
Tender # CW/11/26-27

				Engineer Estimate		M/s. S.M. Jaffer & Co.		M/s. Orient Energy Systems (Pvt) Ltd	
S. #	Items	Unit	Qty	Rate	Amount	Rate	Amount	Rate	Amount
	Quoted Brand & Model					FG WILSON P1000-1 (910 KVA Prime Rating) Perkins 4008TAG1A		Cummins Power Generation - C1100D5B	
1	Providing, installation, Testing & Commissioning of Diesel Engine driven Generator Set 850 KVA 3 Phase 400 Volts 50 Hz, 1500 RPM (make FG WILSON, CUMMINS CPG, KOHLER/REHLKO, CATERPILLAR Complete With out weather and soundproof Canopy Mounted. The firms must supply Genset (Diesel Engine and Alternator) coupled at premises of OEM (FG WILSON, CUMMINS CPG, KOHLER/REHLKO, CATERPILLAR) subject to provision of OEM CoC (Original Manufacturer Certificate of Conformance) in respect of Diesel Engine & Alternator to ensure its genuineness. As per following items. • Construction: 4 stroke diesel-engine, turbocharged, fresh water cooled, complete with standard accessories, governor, electric control module (as per standard) for safety like low lube oil pressure, high water temperature, over speed etc.) electric start stop, Emergency stop and pulley driven alternator, well insulated exhaust silencer/muffler pipe, radiator and cooling fan, etc. BHP rating to be 30% greater than power rating of driven alternator. • Engine directly coupled to PMG excited and self-regulated equipped with Automatic voltage regulator (AVR) alternator of rating: 850 KVA; constant 400-volts, 3-ph; 50 Hz; 1500-rpm •Control Panel with deep sea module and matching the existing main busbar sizes (2x120mmx10mm) and existing panel size for proper coupling. •Batteries •Air Circuit breakers The rate is inclusive of all type of taxes, Consumables, materials, labor, tools & plants, crane, transportation, loading, unloading at site, testing, commissioning as per testing protocol of OEM. The contractor will be responsible for ensuring proper synchronization and load sharing with the existing FG Wilson Gensets (1 x 850kVA, 1 x 730kVA and 3 x 250kVA). The offer will be inclusive of all the test activities & POL, tools necessary for successful load testing (load bank 25%-50%-75%-90% to be arranged by vendor, synchronization with existing gensets, load sharing, and commissioning. NOTE: SIZE OF THE EXISITING FOUNDATION pad is 15.5ft X 7ft. Site visit to be done before submitting the bid.	Each	1.00			52,747,600.00	52,747,600.00	52,556,556.00	52,556,556.00
2	Supply, laying, installation & termination, testing & commissioning of 300 sq.mm single core PVC/PVC, insulated cables, 600/1000 V grade power cables as per specification (including cable termination kits) Manufactured by Pakistan cable, FAST Cable, Newage	Rm	400.00			17,600.00	7,040,000.00	16,245.56	6,498,222.40
3	Supply, laying, installation, testing and termination of 95 sqmm single core PVC insulated earth cable for neutral and body grounding connections as per specification. Manufactured by Pakistan cable. FAST Cable & Newage	Rm	200.00			6,800.00	1,360,000.00	5,702.22	1,140,444.00

Muhammad Anwar	Syed Akbar Hussain Kazmi	Muhammad Haris Qureshi	Sadia Jabeen Asim	Muhammad Rameez
Chairperson PC-A	Member PC-A	External Member PC-A	External Member PC-A	Member PC-A
Chief Librarian, IBA Karachi	Manager Finance, IBA Karachi	Procurement Specialist, HEJ	Senior Engineer (Civil), HEJ	Sr. Manager Projects, IBA Khi.

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4	Supply, laying, testing, commissioning, and termination of 1.5 sqmm 3-core PVC/PVC shielded insulated Control cable as per specification. Manufactured by Pakistan cable., Fast Cable & New age cable	Rm	500.00			1,250.00	625,000.00	836.67	418,333.00
5	Supply, installation placement & testing of anti-vibration Spring isolators model matching with the weight of the Generator inconfirmation with the Code Vibration Isolation required 90 ~ 98 %. Manufactured by Kohler or Equivalent	Job	1.00			416,500.00	416,500.00	400,000.00	400,000.00
6	Supply, Installation, testing and commissioning of Earth Electrodes (Rod Type) for Earthing System with 25mm dia 3 meters (10feet) long driven Pure copper Solid rod, pure copper busbar 50 mm (width) × 6 mm (thickness). complete with clamps lugs, washer /bolts, connected with 1x70mmsq bare copper 50mm diaG.I pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and drawings and to the entire satisfaction and approval of the IBA Engineer. Minimum depth of the earth pit should be 80ft, Earthing result should be less than 1 Ohm for AC/DC/LA	Job	2.00			275,000.00	550,000.00	472,222.00	944,444.00

TOTAL AMOUNT OF WORK OUT LAY	**PKR**	**-**	**62,739,100.00**		**61,957,999.40**
ADD 18 % GST	**PKR**	**-**	**Inclusive**		**11,152,439.89**
GRAND TOTAL AMOUNT	**PKR**	**65,000,000.00**	**62,739,100.00**		**73,110,439.29**

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