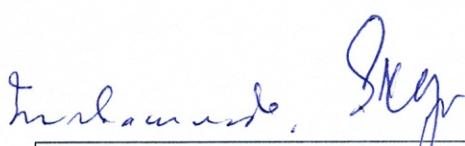


Comparative Statement

Supply, Installation, Testing & Commissioning of 850KVA Diesel Stand By Generator Set

Tender # CW/14/25-26

S. #	Items	Unit	Qty	Rate	Amount	Engineer Estimate		M/s. Energy Solutions (Pvt) Ltd				M/s. S.M. Jaffer & Co.		M/s. Orient Energy Systems (Pvt.) Ltd	
						Supply		Installation		Supply		Supply		Supply	
1	Providing, installation, Testing & Commissioning of Diesel Engine driven Generator Set 850 KVA 3 Phase 400 Volts 50 Hz, 1500 RPM (make FG WILLSON, PERKINS, CUMMINS. KOHLER, CATERPILLAR origin USA/Europe/JAPAN Complete With out weather and sound proof Canopy Mounted. The firms can also supply Genset (Diesel Engine and Alternator) coupled at premises of OEM subject to provision of OEM CoC (Original Manufacturer Certificate of Conformance, MTC (Mill Test Certificate), 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 safeties 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 brush-less,self excited and self-regulated equipped with Automatic voltage regulator (AVR) alternator of rating: 850 KVA; constant 400-volts, 3-ph; 50 Hz; 1500-rpm make Stamford, Leroy Somer AVK, ABB origin USA/Europe/JAPAN • Control Panel of 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 to ensure proper synchronization and load sharing with the existing FG Wilson Gensets (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 EXISTING FOUNDATION pad is 15ft X 7ft . The offered GENSET should be within limits of the existing foundation. Site visit to be done before submitting the bid .	Each	1			36,516,041	36,516,041	1,229,647	1,229,647	49,359,000	49,359,000	57,492,688	57,492,688		
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			13,294	5,317,600	706	282,400	14,000	5,600,000	12,637	5,054,800		
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			4,518	903,600	588	117,600	4,500	900,000	4,952	990,400		
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			553	276,500	235	117,500	600	300,000	615	307,500		







Muhammad Anwar Chairperson PC-A Chief Librarian, IBA Karachi	Syed Akbar Hussain Kazmi Member PC-A Manager Finance, IBA Karachi	Muhammad Haris Qureshi External Member PC-A Procurement Specialist, HEJ	Sadia Jabeen Asim External Member PC-A Senior Engineer (Civil), HEJ	Muhammad Rameez Member PC-A Sr. Manager Projects, IBA Khi.
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Comparative Statement
Supply, Installation, Testing & Commissioning of 850KVA Diesel Stand By Generator Set
Tender # CW/14/25-26

S. #	Items	Unit	Qty	Engineer Estimate		M/s. Energy Solutions (Pvt) Ltd				M/s. S.M. Jaffer & Co.		M/s. Orient Energy Systems (Pvt.) Ltd	
						Supply		Installation		Supply		Supply	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
5	Supply, installation placement & testing of anti vibration Spring isolators model matching with the weight of the Generator in confirmation with the Code Vibration Isolation required 90 ~ 98 %. Manufactured by Kohler or Equivalent	Job	1.00			329,412	329,412	29,412	29,412	442,500	442,500	304,762	304,762
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) x 6 mm (thickness), complete with clamps lugs, washer/bolts, connected with 1x70mm ² bare copper 50mm dia G.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			-	-	458,824	917,648	-	1,123,000	452,381	904,762
TOTAL AMOUNT OF (A + B)				PKR		43,343,153		2,694,207		57,724,500		65,054,912	
ADD 18% GST				PKR		7,801,768		-		-		11,709,884	
ADD 15% SST				PKR		-		404,131		-		-	
GRAND TOTAL AMOUNT WITH TAX				PKR	55,000,000.00	54,243,259				57,724,500		76,764,796	
Quoted Price						54,243,364						76,765,122	

Lehman *Syed* *Haris* *Sadia* *Rameez*

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