



KARACHI ELECTRIC SUPPLY COMPANY
TENDER NOTICE

Karachi Electricity Supply Company Ltd. the utility responsible for Generation, Transmission & Distribution of Electricity to Karachi and its adjoining areas, hereby invites sealed tenders for the procurement / supply as per details given below:-

Please Note Collecting Tender Timing as Follows :

Monday 09:00 AM to 03:00 PM				
Friday 09:00 AM to 02:00 PM				
SERVICES REQUIRED FOR GRS FILTERS UPGRADE ENGINEERING CONSULTANCY FOR 248 MW KPC				
PR# 1300028062, FG/0063/CCPP Tender Cost Rs. 2000/- To Be Opened on 11.09.2017				
SR. #	KESC MATERIAL CODE	ITEM DESCRIPTION	QTY	UNIT
1	SERVICE	<p>SERVICE REQUIRE FOR GRS FILTERS UPGRADE ENGINEERING CONSULTANCY, FOR 248MW KPC</p> <p>K-Electric (formerly Karachi Electric Supply Company LTD), 248 MW Korangi Combined Cycle Power Plant was commissioned in November 2008 it comprises 04 GE LM6000 PC Sprint machines each having a capacity of 48.408 MW at ISO condition and 01 GE Thermodyn Steam Turbine having capacity of 26.36 MW. Natural Gas is used as primarily fuel to run the Plant.</p> <p>Objective of the project K-Electric intends to carry out detailed design engineering of knock out vessel/ coalescer filter for removing oil carried over in natural gas stream from Sui Southern Gas Company LTD system. In broad sense, the requirement is 100% oil/Liquid free natural gas to Fuel Gas Compressors units for safe and reliable operation.</p> <p>Suction gas filtration & compression: Natural Gas is supplied (@ 2-4.5 barg pressure) by Sui Southern Gas Company through a gas yard located inside the plant. SSGC gas yard has its own set of filtration system and a single knock out vessel, specification of which is not known. Natural gas is further filtered at start of Plant battery limit.</p> <p>Work Scope The engineering scope, mentioned below, is formulated as per user's understanding of the problem and its good solution. This, in no way, restricts the service provider to suggest a solution much better and practical in line with best engineering practices.</p> <p>" Existing filter installed at Plant battery limit is for particulate filtration only. " Carry out engineering study for best possible solution for modifying existing filtration system or proposing new system to meet liquid free gas and particulate filtration requirement. " Share design calculations, expected gas quality and estimated cost for all workable options. Recommend and advice in selection of best option. Further Engineering study should also include following " Mechanical design & sizing of required new equipment(s) " Preparation of datasheet for new equipment(s) " Reproduction of system P&ID (showing existing as well as new equipment) " Preparation and submission of all necessary drawings " Performance guarantees of the design. " Design to include provision of isolation for maintenance without undergoing outages " The designed life of equipment/system should be 25 years</p> <p>Notes: " Total Gas Flow rate is 15000-60000 NM³/hr (Min-Max) " Gas Temperature 15-50 Celsius " Particulate Filtration Efficiency 99.99 % > 5 microns (existing filtration level) " Approximate Liquid carryover in Gas Stream 1-2% (liquid loading at inlet)</p> <p>Attachment: " Liquid carryover sample analysis report</p> <p>Climatic Condition: Maximum Ambient (DBT) 48 C and RH 80 percent Minimum Ambient 6 C Maximum Wind Velocity 80 Km/hr</p>		
1.1		SERVICE REQUIRE FOR GRS FILTERS UPGRADE ENGINEERING CONSULTANCY, FOR 248MW KPC	1	JOB

Please quote with weight & dimension of each items:

Payment Term:
Delivery Period:
Validation: 120 Days
Incoterm: Ex-works/ FOB / CFR Karachi / FOR Plant Site

QUOTATION WILL NOT BE ACCEPTED AFTER THE GIVEN DEAD LINE DATE

Tender document containing detailed scope of work, terms and conditions may be obtained on payment of tender fee (non-refundable) from the undersigned.
KESC reserves the right to reject any or all the bids and to annul the bidding process at any time without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s).

Note:
- Quote with the reference of the RFQ serial number and mention specs accordingly
- Detailed relevant Technical literature (English) must be submitted with bid.
- Quote original make & origin of all above items.
- Incomplete quotations shall not be considered for technical evaluation.
- Vendors interested to participate in the aforesaid tender may obtain RFQ by purchasing the tender document from 1st Floor OTB Building, Elander Road, Procurement Division.

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