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| K-Electric Limited |
| TENDER NOTICE |

| Hiring service to study and conduct the RCA of 132kV BBC Make GIS CBs. | | | | |
|--|--------------------|---|-----|------|
| PR # 1400033022 LPO PP 003 2021 DUE ON 18.02.2021 | | | | |
| SR. # | KESC MATERIAL CODE | ITEM DESCRIPTION | QTY | UNIT |
| 1 | Services | Hiring service to study and conduct RCA | 1 | AU |
| 1.1 | | <p>Hiring service to study and conduct the RCA of 132kV BBC Make GIS CBs. Company and Project Brief:</p> <p>K-Electric (KE) is a vertically integrated utility company responsible for Generation, Transmission and Distribution of electric power for its industrial, commercial and domestic users mainly within Karachi Metropolitan (the biggest city of Pakistan) covering about 6026 sq. km area, including some parts of Thatta (up to Ghara – Sindh) and Lasbella Districts (upto Bela Baluchistan).</p> <p>K-Electric intends to acquire services for investigation of 132kV GIS Circuit Breaker Make BBC due to rupturing of operating spider in multiple CBs after exchanging of operating mechanism by OEM which is a coupling part between interpole and driving shaft of Circuit Breaker. Failures occurred in 4 no. bays of same GIS within span of 6 months.</p> <p>Gulshan Bay – 03/06/2020 Johar/Hospital Bay – 10/12/2020 Federal-B Bay – 13/12/2020 Memon Goth Bay – 10/01/2021</p> <p>Purpose and Scope of Work:</p> <p>The purpose of this RFP is to involve an Independent consultant which has substantial and relevant experience to carry out Root cause Analysis for similar nature of incident and to provide professional, objective based and impartial advice against the subject requirement to avoid the reoccurrence in future. Following is the broad outline of scope of work under this RFP.</p> <ol style="list-style-type: none"> 1. Root Cause of failure of 132KV Circuit breaker. 2. Study the stroke and operating mechanism. 3. Recommendations and measures that are required to be taken now to avoid any such vulnerable accident in future. 4. Actions/precautions that could be taken to avoid such incidents at other grids. 5. Factors that need to be considered to implement quick system restoration and recovery - including the study for existing SOP/ process of operation & maintenance of Circuit breaker. 6. Any impact of incident on other equipment. <p>Required Output/Deliverables:</p> <p>Comprehensive and detailed report submission comprising of consultant's recommendations against conducted investigation</p> | 1 | Job |

Records and Information:

04 no. damaged operating spiders and one healthy of same design are present at KDA Grid Station and will be readily available for reference.
Over hauling and document submitted by M/S ABB for exchanging the mechanism.
Maintenance and operation record.

An independent consultant may inspect condition of damaged spider in conjunction with the GIS bays to understand its technical functionality in Circuit Breaker mechanism.

K-Electric will ensure availability of all necessary documents including technical manuals of GIS, drawings schematics, test reports, event logs and any other relevant data necessary to probe into the fault event and diagnose the root cause of failure.

K-Electric, Pakistan's only vertically-integrated power utility that manages all three key stages – generation, transmission and distribution – of producing and delivering energy to its consumers, invites sealed tenders for Procurement/supply/service/job as per details given below:-

KE 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).
Bids will be rejected in case of non-compliance to submission criteria.

Specs / technical detail will be provided with Tender Documents.

- Sealed Quotation (Technical & Commercial separately) complete in all respect must reach to GM (Project Procurement) office latest by February 18, 2021 at 1st floor, Procurement division, Block - J Elander Road (Power House) Complex, Karachi on before February 18, 2021 upto 03:00 PM.

For any technical query please contact with:

Mr. Danish Mushtaq - DGM GSMP-West , Cell: 0346-8203280, email address danish.mushtaq@ke.com.pk

- Subject to be marked on sealed envelope as follows:

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General Manager (Project Procurement Supply Chain)

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