Name of Work **PROVIDING & FIXING BEARINGS FOR SET “02” KSB PUMP TYPE (SNW 600-720) INSTALLED AT NEK K-III P/H.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Qty.** | **Description of item to be**  **executed at site** | **Rate** | | **Unit** | **Amount in Rupees** |
|  | **Aoount**  **( in Figures)** | **Amount**  **(in Words)** |
| 1. | 01 Job | Isolate the power supply then dismantle the 11KV 525 KW electric driven motor from foundation complete in all respect and as per direction of E/I.  **Scope of Work as under:-**  \* Removal of heat exchanger system completely  \* Removal of three Nos. terminal box (RTD winding RTD bearing upper/lower & RTD heating and removal of main connection box. |  |  | Job |  |
| 2. | 02 Job  01  01  01  02  01  01 | P/Fixing of Angular Contact Ball Bearing 7330 SKF with following services for Pump No.03.  a Vibration analysis service fee  b Dynamic balancing service fee  c Laser alignment service fee  d Bearing Mounting and Dis Mounting Fee  Transportation Charges for all equipments  f Weight / Shims / Lubricants of SKF |  |  | Job  Job  Job  Job  Job  Job  Job |  |
| 3. | 15 Kg | Grease LGMT 3/1 SKF Brand (imported) |  |  | Kg. |  |
| 4. | 01 Job | Repairing & reconditioning & polishing of bearing housing (upper side) having 1st o.d 250mm i.d 100mm depth 140mm complete in all respect & as per direction E/Incharge |  |  | Job |  |
| 5. | 01 Job | Repair & re-conditioning and polishing of lower bearing housing o.d 250mm I.d 150mm and depth 75mm complete in all respect and as per direction E/Incharge. |  |  | Job |  |
| 6. | 01 Job | Installation of electric driven motor 11KV 525 KW type DKRJS45/9-6WF complete in all respect and as per direction E/Incharge.  **Scope of Work as under:-**  \* Foundation preparation  \*Installation of het exchanger system completely  \*Installation of three Nos. terminal box (RTD) winding TED bearing upper/lower & RTD heating.  \*Installation of main connection box  \*Alignment of Machine/motor by mounting brackets  \*Motor is connected according with the specific direction of rotation. |  |  | Job |  |
|  |  |  |  | **TOTAL** | **RS** |  |

Resident Engineer

N.E.K (P&F) K-II, III

KW&SB

I/We hereby Quoted Rs..\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Rupees

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Execution of above work and I / We hereby undertaking accept

All clauses of SPPR-2010 and comply the Rules of KW&SB.

Signature of Contractor

With name of firm & Seal

Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Contact # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Work **URGENT R/M WORK OF OPERATORY ELECTRIC PANEL FOR HT MOTOR NO. (2 & 3) 525 KW, 11KV AT N.E.K K-III PUMP HOUSE.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Qty.** | **Description of item to be**  **executed at site** | **Rate** | | **Unit** | **Amount in Rupees** |
|  | **Aoount**  **( in Figures)** | **Amount**  **(in Words)** |
| 1. | 02 Jobs | Isolate the power supply then dismental VCB motorized 230VAC, F-Coil 110 VDC closing coil 110 VDC, with counter 6 No. + 6 NC with variator circuit 24 pole terminal strips 210mm pole spacing, breaker tripping signal 12KV, 1250A, 20KA, 50HZ, 12/28/75KV, type 3AH5113-2ME40-2KF2 then re-install after Engg. Services complete in all respect and asp per direction E/Incharge. |  |  | Job |  |
| 2. | 02 Jobs | Removal of existing CTs & cover heated copper bus bar then providing & fixing HTCT (double core) Ratio 250/5/5A, core 1: 10VA 0.5M5, core2 15 VA type FC-15PM SP20, 1th.25KA IL 12/28/75 KV make FICO. |  |  | Job |  |
| 3. | 02 Jobs | Providing & Fixing AC current transducer, 3 phase CT ration 250/5A auxiliary supply 110 V DC input 5A out put 4-20 mA c102 type S3-AD-3-55A 4E. |  |  | Job |  |
| 4. | 02 Jobs | Installation power capacitor bank with built in discharge resistance 11KV 200 KVR 50Hz (capacitor bank provided by the Department). |  |  | Job |  |
| 5. | 03 Jobs | Servicing of electric panel for operating 525 KW, 11KVA electric motor decontamination of bus bar including replacement of over heated bus bar lugs, nuts and bolts etc (one incoming + 2 out going panel) |  |  | Job |  |
| 6. | 04 Nos. | Providing & Fixing (Raychem) insulation kit for 120mm2 PVC 3 cable. |  |  | Each |  |
| 7. | 02 Sets | P/I of external fuses for capacitor 20A, 24KV type 3000613.20 SIBA. |  |  | Sets |  |
|  |  |  |  | **TOTAL** | **RS** |  |

Resident Engineer

N.E.K (P&F) K-II, III

KW&SB

I/We hereby Quoted Rs..\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Rupees

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Execution of above work and I / We hereby undertaking accept

All clauses of SPPR-2010 and comply the Rules of KW&SB.

Signature of Contractor

With name of firm & Seal

Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Contact # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_