**Scope of work**

**Name of the work: - To carry out various machining operations in CMX machine shop on works contract basis for the period of one year.**

1. **SCOPE OF WORK**

CMX Machine Shop is catering the need of various maintenance groups in BHEL BHOPAL unit by manufacturing spare parts of machines. These spare parts includes various machine elements such as all types of gears, shafts, plates, brackets, cover and other typical components. These spare parts require machining operation on lathe, milling, hobbing and drilling machines. There are 6 H22 Lathe machines, 3 M3 Milling machines, 1 Slotter machine and 1 Shaper machine in CMX machine shop which will be operated by deployed contract workers. In addition to this we are in process of transfer of one more M3 Milling machine from HRDC workshop.

In the view of above, skilled and devoted manpower required to be deployed for machining operation on works contract basis. The manpower to be deployed for carrying out various operations in WEX/machine shop shall be well qualified and experienced in various machine operations. The firm has to engage technical operators for machine operation on regular day-to-day basis and to the satisfaction of Engineer in-charge. If performance of any deployed worker is not found satisfactory, contractor shall provide alternate worker with immediate effect to the satisfaction of Engineer in-charge.

Following works are to be performed by the deployed manpower:

1. The main work involves carrying out various turning and milling operations on different machines in CMX machine shop in both the shifts i.e. day shift (07:00 AM to 04:00 PM) and night shift (04:00 PM to 01:00 AM) as per requirement. Drawing, raw materials and tools will be provided by BHEL.
2. Material handling work in machine shop.
3. Cleaning of machines because of dust, coolant and chips.
4. Refilling of coolant, lubrication oil, hydraulic oil etc.
5. **Working Hours:** Party has to work in 1st Shift **(7.00 am to 3.30 pm)** and 2nd shift **(3.30 pm to 11.30 pm)** during all working days of BHEL Bhopal. The shift timings may change. Any change in shift timings shall be informed to contractor.
6. **Duration of Contract:** 1 Year only**.** Manpower deployment shall be for one year from the date of starting of WO.
7. The person deployed shall wear shoes, uniform and helmet as per General Terms & Conditions and Safety Regulations. Contractor shall provide helmet, safety shoes and uniform to workers as per following schedule:
8. One industrial safety helmet at starting of WO.
9. One set of ISI standard Safety Shoes in every one year.
10. One set of uniform to workers in every six month. Uniform shall include T-shirt/Shirt and Trouser. Stitching charges will be paid by contractor to workers.
11. **MANPOWER DEPLOYMENT REQUIREMENT**:

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| --- | --- | --- | --- |
| Sr. no. | Description of manpower | No. of workers | Educational Qualification & Experience |
| 1 | Turner (Skilled) | 4 | ITI in Turner grade with 1 year working experience or Five years working experience as turner. |
| 2 | Machinist (Skilled) | 2 | ITI in Machinist grade with 1 year working experience or Five years working experience as Machinist. |
| 3 | Helper (Unskilled) | 2 | Min. 8th pass & 1 year work experience or Five years working experience as helper. |

6. **Price Variation Clause**

The price shall be firm/ fixed throughout the contract period.