

Name of work: WORKS CONTRACT FOR REPAIR AND SERVICING OF ROLLING SHUTTERS IN HPBP FACTORY AREA INCLUDING UNIT-II AND SSTP AREA AT BHEL-TRICHY FOR 2017-18.

Enquiry No: WCF/90317 00001 / 22.05.2017

**PART-II (PRICE BID)**  
**BILL OF QUANTITIES – 16 items**

**Note: The percentage allocation against each item of BoQ is indicated in the last column here. Contractors have to quote only their cumulative overall amount for the work for the quantity indicated and not the individual rates. Individual rates for respective items in BoQ will be arrived by BHEL (as illustrated in Technical bid-Annexure II) after applying % allocation for the quoted amount by the contractor. While quoting, contractors shall take care of units given against each item.**

Sl. No.	Description	UOM	Quantity	% allocated
1	One time effective servicing, attending minor repairs during the servicing, greasing for all type of rolling shutters (both pull and push and gear type) for all sizes etc., complete as per the specifications and instructions of the Engineer-in-charge. The quoted rate is for the repairs, all adjustments, bolt nut tightening including removing shutters, brackets and other accessories if necessary, re-fixing the shutter in position and all other incidental charges, tools and plants, cost of grease scaffolding charges ,etc., complete (Scaffolding materials shall be arranged by the contractor at his own cost).	SQM	790	72.33%

Sl. No.	Description	UOM	Quantity	% allocated
2	Supplying and replacing the following worn out / damaged spares wherever required as per the instruction of engineer-in-charge. The quoted rate shall include cost of spares, bolts, nuts, washers, scaffolding charges welding charges, labour charges all other incidental charges etc., complete.			
A	M.S. Bottom Rails 12 G	M	4	0.26%
B	M.S. Built up Bottom rails	M	3	0.20%
C	M. S. SHAFT Cage reconstruction	M	30	2.00%
D	M.S Top cover for pull & push type	M	2	0.31%
E	M.S Top cover for pull & push type 18 G	M	3	0.46%
F	Coiled springs for pull & push type 18 G	No	5	0.55%
G	M. S. Laths 18 G	M	15	0.66%
H	Coiled springs for GEAR TYPE - ISWG 60 To 65 rounds 4.5" dia	No	4	1.77%
I	Coiled springs for GEAR TYPE - ISWG 65 To 70 rounds 4.5" dia	No	6	2.97%

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J	M. S. Worm with pedestal - for GEAR TYPE	No	4	0.88%
K	C. I. Gear Wheel 9" to 12" - for GEAR TYPE	No	3	0.99%
L	C. I. Bevel Wheels - for GEAR TYPE	No	3	1.32%
M	End Clips - for GEAR TYPE	No	5	0.05%
N	Locking stopper without welding cleat	No	4	0.55%
O	Welding of locking cleat	No	8	0.66%
P	M.S. handles with bolts	No	8	0.76%
Q	M.S. Pulleys 9" to 12"	No	3	0.21%
R	M.S. Rings 9" to 12"	No	5	0.33%
S	M.S. Gear box with bevel wheels	No	4	3.53%
T	32mm x 75mm x 3.25mm tk. guide channel with fixing cleat	M	6	0.54%
U	Providing and fixing of ball bearings for rolling shutters	No	6	0.73%
V	Supply & fixing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm up to 16.80 sqm in area	SQM	4	0.26%
W	Supply & fixing mechanical device chain and crank operation for operating rolling shutters. Exceeding 16.80 sqm in area	SQM	4	0.39%

Sl. No.	Description	UOM	Quantity	% allocated
3	Dismantling of rolling shutter at various heights including stacking the materials safely at the specified places as directed by the Engineer - in-charge. Rate includes cost of all labour, scaffolding and other incidental charges etc., complete	SQM	6	0.75%

Sl. No.	Description	UOM	Quantity	% allocated
4.	Supplying and replacing the following damaged/ wornout spares wherever necessary to suit the existing door as per the instruction of Engineer in-charge.. The offered rate includes cost of spares, bolts, nuts, washers, Tools and Plants all labour charges and all other incidental charges etc., complete.			
A	Top pivot for aluminium door	No	2	0.18%
B	Bottom pivot for aluminium door	No	2	0.20%
C	Mortice lock brass body 4 lever (Ekri/Victory brand or equivalent)	No	2	0.30%
D	Heavy duty double action floor spring (ISI marked)	No	2	0.76%

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E	EPDM Gasket gasket/rubber beading D/O/U type . Payment will be made for the actual length of gasket supplied & fixed	M	300	2.05%
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Sl. No.	Description	UOM	Quantity	% allocated
5	Conveying from BHEL stores to site of work and fixing rolling shutters in proper position, all as directed by the Engineer-in-charge. Rate includes loading, leading, unloading and fixing of roller shutter including side brackets, gear box, lubricating the bearings etc., complete and making it fit for operation. Labour charges only.	SQM	5	0.28%

Sl. No.	Description	UOM	Quantity	% allocated
6	Supply and fixing D type Anodised Aluminium handle - 125 mm , furniture fittings of approved brand and quality (ISI marked) in the appropriate position of doors, windows, ventilators, cupboards etc. with appropriate screws, nails etc., all as per standard specifications and instructions of Engineer in charge.	No	30	0.22%

Sl. No.	Description	UOM	Quantity	% allocated
7	Servicing / overhauling, oiling, cleaning of aluminium door / window shutter of any size for smooth operation as per instructions of Engineer-in-charge. Rate includes cost of tool and labour (Excluding cost of spares which will be paid separately) and other incidental charges etc. complete	SQM	70	2.55%

**GRAND TOTAL** i.e Total cost for the work including all the taxes (except applicable service tax) for all the items in the Bill of quantities - in

Figures ₹. \_\_\_\_\_ in words .....

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01. Amount should be quoted in both figures and words and are to be identical. If not, the prices in the words will be considered as final and the same shall be valid and binding on the contractor.
  - (a) If there is such discrepancy in an offer, the same will be conveyed to the bidder with target date up-to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
02. The amount should be quoted inclusive of any taxes and duties levied or to be levied both by Central and State Government authorities from time to time, except applicable Service Tax. Applicable Service Tax will be paid extra on production of documentary evidence.
03. Quotation should be valid for a period of four months from the date of Tender opening
04. If in case of Price bid opening, if there is a tie in quoted L1 amount, then ranking will be decided based on Lot system
05. Evaluation of the offer shall be done on "Net Cash outflow to BHEL after taking into account applicable Taxes and Duties".
06. The amount quoted shall remain firm and valid during the entire period of contract (including extended period if any) and no extra payment will be reimbursed to the contractor by BHEL. Any increase of DA/ wages to the contract labor shall be absorbed by the contractor themselves during the period of contract.
07. The signature at the bottom of the rate schedule confirms that the Tenderer had read and accepted all the Terms and conditions in Tender Schedule, also amount quoted with inclusive of any taxes and duties levied and excluding Service Tax etc. has been considered by the tenderer for the total contract period (including extended period if any) while quoting the above rates.
08. No other pre conditions along with your offer will be entertained by BHEL
09. The contractor shall quote only the lowest possible total amount that can be offered for the intended quantity. Rate for individual items of BoQ will then be arrived by BHEL, as per annexure- II in Technical bid
10. The contractor while quoting shall take care of units specified against every item in bill of quantities.