

ANNEXURE I
SCOPE OF WORK FOR MACHINING OF SPARE GEAR ITEMS

1) **TITLE :-** SCOPE OF WORK FOR COMPLETE MACHINING OF GEAR ITEMS REQUIRED AS SPARES BY CAVFD PUNE AND COD JABALPUR.

2) **DESCRIPTION OF WORK:-**

Firm has to carry out machining of raw material (in the form of forging or Bar material) and supply the complete components after complete machining and inspection as per the drawing mention in the table below.

Raw material i.e. forging, bar material which is mention below table will be provide by the MTPF Ambernath for a minimum qty. of 100 nos of components against the submission of Bank Guarantee for the value of input material

Sl. No.	Item /Store	Drawing No.	Qty to be Out Sourced	Input matl. to be given to the firm by MPF	Operation
1	Set of bevel gears BILGE PUMP FOR BMP-II	765-38-184 & 765-38-87	300 Sets	Bar matl: STEEL ROUND 50 MM DIA TO DRG.NO.MPF/LF/0375000051 I.f.no: 0375000051 for 765-38-87 Qty 333kg for 300 nos I.f.no: 0375000051 for 765-38-184 Qty. 518.1kg kg for 300 nos.	All Operations
2	Set of bevel gears TGB FOR BMP-II	675-55-162& 675-55-164	150 Sets	STEEL ROUND 30 MM DIA SPECN. for 675-55-162 L.f.no: 0353202030 qty 27 kg for 150 nos for 675-55-164 STEEL ROUND 50 MM DIA.SPECN. 40 CR1 MO28, IS:4367-67. MAIN MATL.:45X GOST 4543-1971. 0353102050 I.f.no: 0353102050 qty 72 kg for 150 nos	All Operations

3. **INSPECTION CRITERIA:-**

- 3.1 Before starting of Bulk Production, firm to provide 5 nos of pilot samples of above listed components to MTPF for approval purpose. Inspection of Bulk Production to be done at the Firm premise before dispatch.
Pre dispatch Inspection will be carried out by authorized representative of General Manager, MTPF, Ambernath at firm's premises. Measuring equipment /instruments/gauges will be provided by the firm.
- 3.2 Firm should have gear tester to check the Gear parameters as per accuracy provided in the Drawings i.e. Lead ,Profile, Pitch Error, Form Error, PCD Run out, Base Tangent Length, Over pin Dimensions , tooth thickness etc.
- 3.3 100 % components should be marked with Drg. No and sl.nos. which will be provided by MTPF.
- 3.4 The firm should ensure that all the parts machined by them are as per drawings and scope of work provided by MTPF.


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- 3.5 100% components should be inspected for hardness and crack detection as per drawing. Report along with sl.nos of components to be submitted during PDI. Component inspected for crack detection should be free from crack.
- 3.6 The firm should provide pre-inspection report at the time of offering the store for pre-dispatch inspection.
- 3.7 The dimensions of machined parts should be within the tolerance limits as mentioned in the drawing.
4. *Chips*, turning/boring, generated out of machining will be retained by the firm consideration of the same to be given while quoting the rate.
5. *Collection* of material from MTPF and Delivery of the finished item to MTPF will be done by the firm with suitable packing to avoid the damages to the components.
6. Firm has to submit the Bank Guarantee before collection of raw material from MTPF. Amount of Bank Guarantee will be mentioned in the Tender. BG should be from public sector banks or from ICICI, AXIS, Or HDFC banks.
7. *If any MTPF supplied raw material is rejected by the firm, the firm has to collect the replacement from MTPF against payment. Rejected component/material has to be returned to MTPF.*
8. *Delivery Schedule:-* MPF requirement is mentioned in above list. Quantity of 100 nos. quarterly for Sl. No. 1 and 50 nos. quarterly for Sl. No. 2, to be supplied by the firm. MPF requirement is listed above, firm may clearly mention accordingly the capacity and delivery schedule for which they are quoting.
9. 5 nos. pilot sample to be offered before BULK PRODUCTION.


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ANNEXURE II

1. Vendor Qualification Criteria:-

1.1 Firm should have following machining facilities

i) Bevel Gear cutting machine 1-4 modules , Hobbing machine, Grinding.

Sl. No.	Item	Drawing No.
1	Set of bevel gears	765-38-184 & 765-38-87


ii) Bevel gear cutting machine for following component.

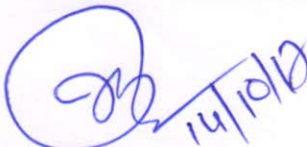
2	Set of bevel gears	675-55-162 & 675-55-164
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iii) Gear tester to check the Gear Parameters of above said components as per the accuracy of DIN standard given in the Drawings. (CNC gear tester will be desirable).

iv) Firm should have the calibrated instruments/ gauges.

Firm should submit the list of machines, gear testing equipment and measuring instruments available with them in support of above qualification criteria. Offers received without above information or not meeting above criteria may be ignored.


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