

BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL



PQ R CUM ANNEXURE-I TO P.I.821192005

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF INDEXABLE FACE MILLING CUTTER

NOTE:-

1. Vendor must submit complete information against clause no. 1.0 to 8.3 , The offer meeting this clause would only be processed

2. The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.

3. The offer and all documents enclosed with offer should be in English language only.

4. The information provided by vendor in specification cum compliance certificate will supersede any other information provided by vendor .

NAME & ADDRESS OF THE SUPPLIER :

E-MAIL ADDRESS :

SCOPE: SUPPLY OF INDEXABLE FACE MILLING CUTTER DIA.160.0 MM,250.0 MM & 315.0 MM

SNO	DESCRIPTION FOR BHEL REQ UIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	REMARK
1	PURPOSE: This sheet deals with specification of indexable face milling cutter of dia.160.0 mm,250.00 mm & 315.00 mm capable of meet the milling operation.	Vendor to note		
1A	Supply and proving of Indexable face indexable face milling cutter of dia.160.0 mm,250.00 mm & 315.00 mm in set(One set= Two milling cutter body of each diameter + 800 no interchangeable solid carbide face mill insert suitable for all three cutter,medium pitch able to depth of cut of min.5.0 mm + 20 no insert clamping screw for each cutter or 60 no common insert screw suitable for all three cutter + 2 Nos key / wrench for tightening the insertfor each cutter or 6 no common insert screw suitable for all three cutter).	Vendor to Confirm		
2	Specification of Body diameter 160.00 mm			
2.1	Cutter body dia. : 160.00 mm	Vendor to confirm		

2.2	No. of insert pocket "Z"(within)	: 10-12	Vendor to confirm & specify		
2.3	Bore dia.	: 40.0 mm	Vendor to confirm		
2.4	Ap (Min.)	: 5.0 mm	Vendor to confirm & specify		
2.5	Thickness of body (Min.)	: 63.0 mm	Vendor to confirm		
2.6	Approach angle	: 45 degree	Vendor to confirm		
3 Specification of Body diameter 250.00 mm :			Vendor to confirm & specify		
3.1	Cutter body dia.	: 250.00 mm	Vendor to confirm		
3.2	No. of insert pocket "Z"	: 16	Vendor to confirm & specify		
3.3	Bore dia.	: 60.0 mm	Vendor to confirm		
3.4	Ap (Min.)	: 5.0 mm	Vendor to confirm & specify		
3.5	Thickness of body (Not to exceed)	: 63.0 mm	Vendor to confirm		
3.6	Approach angle	: 45 degree	Vendor to confirm		
4 Specification of Body diameter 315.00 mm			Vendor to confirm & specify		
4.1	Cutter body dia.	: 315.00 mm	Vendor to confirm		
4.2	No. of insert pocket "Z"(within)	: 18-20	Vendor to confirm & specify		
4.3	Bore dia.	: 60.0 mm	Vendor to confirm		
4.4	Ap (Min.)	: 5.0 mm	Vendor to confirm & specify		
4.5	Thickness of body (Not to exceed)	: 80.0 mm	Vendor to confirm		
4.6	Approach angle	: 45 degree	Vendor to confirm		
4.7	Carbide insert	: 08-12 cutting edge	Vendor to confirm & specify		
5	Specification of common insert for cutter dia.160.0 mm,250.0 mm & 315.0 mm				
5.1	Insert thickness (Min.)	: 5.45 mm	Vendor to confirm & specify		
5.2	Insert Corner radius range (Within)	: 0.8-1.2 mm	Vendor to confirm & specify		
5.3	Inscribe circle diameter(Within)	: 14-21 mm	Vendor to confirm & specify		
5.4	Feed per tooth (Min.)	: 0.5 mm	Vendor to confirm & specify		
5.5	Depth of cut(Min)	: 5.0 mm	Vendor to confirm & specify		
5.6	Carbide insert should have PVD coated,wear & heat resistant and proper chip evacuation & breaking geometry without coolant/cutting oil.		Vendor to confirm		
5.7	Spare insert clamping screw suitable to cutter body .	Suitable for cutter body	Vendor to confirm		
5.8	Spare torx key suitable for screw insert	Suitable for insert head	Vendor to confirm		

5.9	Prefarable makes are: ISCAR, TUNGALOY, MITSUBISHI, MIMATIC, TAEGUTECH, WIDIA, SANDVIK, WALTER,KENNA METAL OR EQUIVALENT	Vendor to specify		
6	All Standard accessories/items (If Any) shall be in the scope of vendor enable us ready to use the face milling cutter .	Vendor to confirm		
7	QUALIFYING CONDITIONS :			
7.1	Only OEM or their authorized distributor / dealer has to be quoted in this regard. Vendors other than OEM are need to be furnished an authorization certificate ensuring BHEL for their guarantee support and warrantee services(For a period of 12 months from the date of receiving of material at our works) as and when required by BHEL on prompt basis	Vendor to confirm (OEM/Dealer) &submitted		
7.2	Only those vendors shall quote, who or their principal have supplied and commissioned at least one number of 250.MM diameter or higher diameter indexable face milling cutter in past three years effective from tender opening date and such cutter is presently working satisfactorily for at least one years after commissioning, mentioning the customer detail, else offer is technically disqualified without notice to the vendor.	Vendor to submitted customer(s) details		
7.3	Model/Part No of the supplied cutter, shall be working satisfactorily at least from last one year of Supply . shall be required along with offer,else offer is technically disqualified without notice to the vendor.	Vendor to submitted PO copy and commissioning report		
7.4	Average annual turnover of the company should be at least Rs. 6,00,000 or more and it should be supported by balance sheet and profit & loss account vetted by chartered accountant or income Tax Return of the party for last three financial years &self certified last 3 years profit & loss account transanction in case of small scale industry/Vendor those not comes under the boudation of audit as per government/income tax rules.(If the party is resistered in BHEL, BHOPAL with permanet vendor code should be opted to last three year PO executed to BHEL, BHOPAL with cumulative value equal to order value.	Vendor to submitted (Registered vendor have to specify vendor code & VPR)		
7.5	PRODUCT CATALOGUE CONTAINING TECHNICAL LITRATURE MUST BE SUBMITTED FOR ALL THE ITEMS TO JUDGE TECHNICAL PARAMETERS ELSE QUOTATION IS TREATED AS INCOMPLETE AND LIABLE TO BE REJECTED WITHOUT NOTICE TO THE BIDDER.	Vendor to submitted		
7.6	Overview about OEM in line with clause 7.1 (When established, Product Range, market etc.).	Vendor to confirm & submitted/provide detail		

7.7	Vendor shall have fully functional Service Centre in India. Details about the same to be provided.	Vendor to specify & submitted/provide detail		
7.8	OEM must have an experience of at least 05 years in manufacture of indexable face milling cutter of similar design.	Vendor to specify & submitted/provide detail		
8	General:	Vendor to Confirm		
8.1	Supplier will be solely responsible for the supply and proving the indexable milling cutter at BHEL works. Actual job shall be proved at Bhopal in all respect for accuracy and performance during commissioning	Vendor to note		
8.2	BHEL reserves the right to verify information provided by vendor. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.	Vendor to note		
8.3	Approximate time of delivery 10-12 weeks (Ex-works), However 2 week shall be given delivery term as FOR, BHEL, Bhopal works. Delivery beyond 14 weeks shall be technically rejected without intimation to the vendor.	Vendor to confirm & specify		