

Annexure-I (Technical Requirement)



BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL, MADHYA PRADESH

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SPECIFICATION CUM COMPLIANCE CERTIFICATE OF INDEXABLE DRILL

NOTE:-

No. 9

1. Vendor must submit complete information from clause No.1 to 10-8, The offer meeting this clause would only be processed
2. The offer and all documents enclosed with offer should be in English language only.
3. 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 DRILL & THEIR SPARES/ACCESSORIES

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY	OFFERED	REMARKS
1	PURPOSE: Supply of Cylindrical shank, internal coolant facilitate indexable modular drill for hole diameter 12.40 mm, L/D=1.5 & 7, 12.76 mm, L/D=1.5 & 7, 13.00 mm, L/D=1.5 & 7.	Vendor to Confirm		
TECHNICAL DETAIL :				
2	Specification of drill diameter 13.00 mm with L/D:7			
2.1	Drill body dia.range (more than 13.49 mm but less than 13.99 mm also acceptable)	Vendor to confirm		
2.2	L/D (min.)	Vendor to confirm		
2.3	Cylindrical shank length (min.)	Vendor to confirm		
2.4	Cylindrical shank dia. (within)	Vendor to specify & confirm		
2.5	Solid carbide insert dia.	Vendor to confirm		
2.6	Solid carbide insert length w.r.t.peripheral cutting edge (min)	Vendor to confirm		

Prepared by:

Issued by:

MOHAMMAD EKRAM

Dy. Manager (Prod'n)

H/CM Division

Bhopal, Bhopal

Vendor Signature with Official Stamp

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2.7	Solid carbide insert cutting angle suitable to drill SS 304L plate (within)	:135-140 degree	Vendor to specify & confirm		
2.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm		
2.9	TiAlN/PVD coating insert		Vendor to confirm		
3	Specification of indexable drill diameter 12.76 mm with L/D:7				
3.1	Drill body dia.range (more than 12.99 mm but less than 13.49 mm also acceptable)	: 12.50-12.99 mm	Vendor to confirm		
3.2	L/D (min.)	: 7	Vendor to confirm		
3.3	Cylindrical shank length (min.)	:45.00 mm	Vendor to confirm		
3.4	Cylindrical shank dia. (within)	:14-20 mm	Vendor to specify & confirm		
3.5	Solid carbide insert dia.	:12.76 mm	Vendor to confirm		
3.6	Solid carbide insert length w.r.t.peripheral	:4.00 mm	Vendor to confirm		
3.7	Solid carbide insert cutting angle suitable to drill SS 304L plate (within)	:135-140 degree	Vendor to specify & confirm		
3.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm		
3.9	TiAlN/PVD coating insert		Vendor to confirm		
4	Specification of indexable drill diameter 12.35 mm with L/D:7				
4.1	Drill body dia.range(more than 12.49 mm but less than 12.99 mm also acceptable)	: 12.00-12.49 mm	Vendor to confirm		
4.2	L/D (min.)	: 7	Vendor to confirm		
4.3	Cylindrical shank length (min.)	:45.00 mm	Vendor to confirm		
4.4	Cylindrical shank dia. (within)	:14-20 mm	Vendor to specify & confirm		
4.5	Solid carbide insert dia.	:12.35 mm	Vendor to confirm		
4.6	Solid carbide insert length w.r.t.peripheral cutting edge (min)	:4.00 mm	Vendor to confirm		
4.7	Solid carbide insert cutting angle suitable to	:135-140 degree	Vendor to specify & confirm		
4.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm		
4.9	TiAlN/PVD coating insert		Vendor to confirm		

Prepared by:

Md. Ehsan

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 एच.सी.एस. विभाग / HCM Division
 सी.एस.ई. एल., सोनीत / BHEL, BHOPAL

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5	Specification of drill diameter 13.00 mm with L/D:1.5		
5.1	Drill body dia.range(more than 13.49 mm but less than 13.99 mm also acceptable)	: 13.00-13.49 mm	Vendor to confirm
5.2	Min. L/D (More than 1.5 also acceptable but not to exceed 3)	: 1.5	Vendor to confirm
5.3	Cylindrical shank length (min.)	:45.00 mm	Vendor to confirm
5.4	Cylindrical shank dia. (within)	:14-20 mm	Vendor to specify & confirm
5.5	Solid carbide insert dia.	:13.00 mm	Vendor to confirm
5.6	Solid carbide insert length w.r.t.peripheral	:4.00 mm	Vendor to confirm
5.7	Solid carbide insert cutting angle suitable to drill SS 304L plate (within)	:135-140 degree	Vendor to specify & confirm
5.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm
5.9	TiAlN/PVD coating insert		Vendor to confirm
6	Specification of drill diameter 12.76 mm with L/D:1.5		
6.1	Drill body dia.range(more than 12.99 mm but less than 13.49 mm also acceptable)	: 12.50-12.99 mm	Vendor to confirm
6.2	Min. L/D (More than 1.5 also acceptable but not to exceed 3)	: 1.5	Vendor to confirm
6.3	Cylindrical shank length (min.)	:45.00 mm	Vendor to confirm
6.4	Cylindrical shank dia. (within)	:14-20 mm	Vendor to specify & confirm
6.5	Solid carbide insert dia.	:12.76 mm	Vendor to confirm
6.6	Solid carbide insert length w.r.t.peripheral	:4.00 mm	Vendor to confirm
6.7	Solid carbide insert cutting angle suitable to drill SS 304L plate (within)	:135-140 degree	Vendor to specify & confirm
6.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm
6.9	TiAlN/PVD coating insert		Vendor to confirm



मोहम्मद इकराम / MOHAMMADDEKRAM

उप प्रबंधक- उत्पादन / Dy. Manager (Prodn.)

एच.सी.एम. विभाग / HCM Division

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7	Specification of drill diameter 12.35 mm with L/D:1.5		
7.1	Drill body dia.range(more than 12.49 mm but less than 12.99 mm also acceptable)	: 12.00-12.49 mm	Vendor to confirm
7.2	Min. L/D (More than 1.5 also acceptable but not to exceed 3)	: 1.5	Vendor to confirm
7.3	Cylindrical shank length (min.)	:45.00 mm	Vendor to confirm
7.4	Cylindrical shank dia. (within)	:14-20 mm	Vendor to specify & confirm
7.5	Solid carbide insert dia.	:12.35 mm	Vendor to confirm
7.6	Solid carbide insert length w.r.t.peripheral	:4.00 mm	Vendor to confirm
7.7	Solid carbide insert cutting angle suitable to	:135-140 degree	Vendor to specify & confirm
7.8	Should have the facility of taper interface retention lock to prevent insert pull out or baynout sciew clamping.		Vendor to confirm
7.9	TiAln/PVD coating insert		Vendor to confirm
9	Prefarable makes are: ISCAR, TUNGALOY, MITSUBISHI, MIMATIC, TAEGUTECH, HARTNER, WIDIA, SANDVIK, WALTER,KENNA METAL OR EQUIVALENT		Vendor to specify
9.1	All Standard accessories/items (If Any) shall be in the scope of vendor enable us ready to use the indexable drill .		Vendor to confirm
10	SCOPE OF SUPPLY:-		
10.1	Indexable drill dia.13.0 mm,L/D=7	: 1 Set	Vendor to confirm
10.2	Indexable drill dia.12.76 mm,L/D=7	: 1 Set	Vendor to confirm
10.3	Indexable drill dia.12.40 mm,L/D=7	: 1 Set	Vendor to confirm
10.4	Indexable drill dia.13.0 mm,L/D=1.5	: 1 Set	Vendor to confirm
10.5	Indexable drill dia.12.76 mm,L/D=1.5	: 1 Set	Vendor to confirm
10.6	Indexable drill dia.12.40 mm,L/D=1.5	: 1 Set	Vendor to confirm
10.7	Operating manual	: 1 No	Vendor to confirm
10.8	Test & Guarantee Certificates	: 2 Nos	Vendor to confirm
10.9	Free of cost shop trial also be conducted from L1 vendor before delivery,If felt necessary.		Vendor to note

Prepared by:




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