



**BHARAT HEAVY ELECTRICALS LIMITED**  
 [A Government of India Undertaking]  
 Ramachandrapuram, Hyderabad, 502032, A.P. India  
 Phone 040-23184526, 23182322 FAX:040-23021910, 1954

**भारत हेवी इलेक्ट्रिकल्स लिमिटेड**  
 (भारत सरकार का उपक्रम)  
 रामचन्द्रपुरम, हैदराबाद, 502032 आंध्र प्रदेश, भारत

RFQ NO :

**PURCHASE DEPARTMENT**  
**ENQUIRY**  
**क्रय विभाग**

SHE  
OF

जांच (ई मेल : tenderbox@bhellhyd.co.in)

HY17001 C  
REV.NO.0

Phone 091-40-23184526  
091-40-23182322

FAX : 091-40-23021910  
091-40-23021954

**PURCHASE DEPARTMENT**

Enq/Collective Number :P6A1P16597 Enq.Date : 09.03.2016 No.Of Items :\* DUE DATE OF QUOTATION : 30.03.2016

**Office Copy**

Please submit your lowest quotation in sealed cover superscribed with Enquiry No./Collective No.(RFQ No ..... ) and due date subject to our terms and conditions attached ,for the materials mentioned below.Your offer has to reach us onor before due date by 11.00 Hours (IST) and will be opened at 14.00 Hours.(IST).If our Enquiry No./Collective No.(RFQ No ..... ) and tender due date are not super scribed on the tender cover , your offer shall be summaril rejected. Incomplete offers and late offers will not be considered.

SL NO	Purchase Req.no	item no	Material Code	Drg no - Ver , Rev & Spec - Ver , Rev	Description	Unit	Qty	Delivery Date	Schedule Qty
1	5000016597	10	HY6287300086	, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D6 R3 Z2#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 24, NO. OF TEETH 2,#RADIUS 3, TAPER ANGLE=8 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
2	5000016597	20	HY6287300108	, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D6 R3 Z4#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 31, NO. OF TEETH 4,#RADIUS 3, TAPER ANGLE=6 DEGREE#TiALN-COATED#"	EA	25.000	30.04.2016	25.000
3	5000016597	30	HY6287300124	, NA,	"#SOLID CARBIDE TAPER BALL NOSE CUTTER D10 R5 Z2#SHANK DIA 16mm, TOTAL LENGTH 110#CUTTING LENGTH 48, NO. OF TEETH 2,#RADIUS 5, TAPER ANGLE=4 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
4	5000016597	40	HY6287300132	, NA,	"#SOLID CARBIDE TAPER BALL NOSE CUTTER D10 R5 Z4#SHANK DIA 16mm, TOTAL LENGTH 110#CUTTING LENGTH 48, NO. OF TEETH 4,#RADIUS 5, TAPER ANGLE=4 DEGREE#TiALN-COATED"	EA	25.000	30.04.2016	25.000
5	5000016597	50	HY6287300272	, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R1.6 Z4#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH 4,#RADIUS 1.6 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
6	5000016597	60	HY6287300400	, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R0.5 Z4#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH 4,#RADIUS 0.5 TiALN-COATED,"	EA	20.000	30.04.2016	20.000

TEST CERTIFICATE REQD: Y  
 GUARANTEE REQ : Y  
 SAMPLE REQD : Y  
 BID TYPE : TWO PART

For and on-behalf of  
 Bharat Heavy Electricals Lim  
  
 BIKASH BASINI  
 Officer/Pur/CMM



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7	5000016597	70	HY6287300426	, NA,	"SOLID CARBIDE ENDMILL CUTTER D12 R2 Z4#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 26, NO. OF TEETH 4,#RADIUS 2#TiALN-COATED,"	EA	20.000	30.04.2016	20.000
8	5000016597	80	HY6287400277	, NA,	"SOLID CARBIDE ENDMILL CUTTER D10 R2 Z2#SHANK DIA 10mm, TOTAL LENGTH 72#CUTTING LENGTH 22, NO. OF TEETH 2,#RADIUS 2 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
9	5000016597	90	HY6287400285	, NA,	"SOLID CARBIDE ENDMILL CUTTER D10 R2 Z4#SHANK DIA 10mm, TOTAL LENGTH 72#CUTTING LENGTH 22, NO. OF TEETH 4,#RADIUS 2 TiALN-COATED,"	EA	20.000	30.04.2016	20.000
10	5000016597	100	HY6287400366	, NA,	"SOLID CARBIDE ENDMILL CUTTER D10 R1.2 Z4#SHANK DIA 10mm, TOTAL LENGTH 72#CUTTING LENGTH 22, NO. OF TEETH 4,#RADIUS 1.2 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
11	5000016597	110	HY6287400382	, NA,	"SOLID CARBIDE ENDMILL CUTTER D12 R1,6 Z4#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 26, NO. OF TEETH 4,#RADIUS 1,6#TiALN-COATED,"	EA	20.000	30.04.2016	20.000
12	5000016597	120	HY6287400510	, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D5 R2.5 Z4#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 24, NO. OF TEETH 4,#RADIUS 2.5, TAPER ANGLE=8 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
13	5000016597	130	HY6287400536	, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D8 R4 Z4#SHANK DIA 12mm, TOTAL LENGTH 100#CUTTING LENGTH 35, NO. OF TEETH 4,#RADIUS 4, TAPER ANGLE=4	EA	20.000	30.04.2016	20.000

TEST CERTIFICATE REQD: Y  
 GUARANTEE REQ : Y  
 SAMPLE REQD : Y  
 BID TYPE : TWO PART  
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					DEGREE#TiALN-COATED"				
14	5000016597	140	HY6287400617	NA, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D4 R2 Z4#SHANK DIA 12mm, TOTAL LENGTH 83#CUTTING LENGTH 24, NO. OF TEETH 4,#RADIUS 2, TAPER ANGLE=10 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
15	5000016597	150	HY6287400625	NA, NA,	"SOLID CARBIDE TAPER BALL NOSE CUTTER D8 R4 Z2#SHANK DIA 12mm, TOTAL LENGTH 100#CUTTING LENGTH 35, NO. OF TEETH 2,#RADIUS 4, TAPER ANGLE=4 DEGREE#TiALN-COATED"	EA	25.000	30.04.2016	25.000
16	5000016597	160	HY6287400633	NA, NA,	"#SOLID CARBIDE TAPER BALL NOSE CUTTER D12 R6 Z2#SHANK DIA 16mm, TOTAL LENGTH 110#CUTTING LENGTH 48, NO. OF TEETH 2,#RADIUS 6, TAPER ANGLE=4 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
17	5000016597	170	HY6287400641	NA, NA,	"#SOLID CARBIDE TAPER BALL NOSE CUTTER D12 R6 Z4#SHANK DIA 16mm, TOTAL LENGTH 110#CUTTING LENGTH 48, NO. OF TEETH 4,#RADIUS 6, TAPER ANGLE=4 DEGREE#TiALN-COATED"	EA	20.000	30.04.2016	20.000
18	5000016597	180	HY6287400650	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D5 R0 Z4#SHANK DIA 8mm, TOTAL LENGTH 63#CUTTING LENGTH 18, NO. OF TEETH 4,#RADIUS 0 TiALN-COATED,"	EA	20.000	30.04.2016	20.000
19	5000016597	190	HY6287400668	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R1.0 Z4#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH	EA	25.000	30.04.2016	25.000

TEST CERTIFICATE REQD: Y  
 GUARANTEE REQ : Y  
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					4,#RADIUS 1.0 TiALN-COATED,"				
20	5000016597	200	HY6287400676	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R1.2 Z4#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH 4,#RADIUS 1.2 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
21	5000016597	210	HY6287400684	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R2 Z4#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH 4,#RADIUS 2 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
22	5000016597	220	HY6287400692	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D8 R2 Z2#SHANK DIA 8mm, TOTAL LENGTH 69#CUTTING LENGTH 20, NO. OF TEETH 2,#RADIUS 2 TiALN-COATED,"	EA	25.000	30.04.2016	25.000
23	5000016597	230	HY6287400706	NA, NA,	"SOLID CARBIDE ENDMILL CUTTER D10 R1.6 Z4#SHANK DIA 10mm, TOTAL LENGTH 72#CUTTING LENGTH 22, NO. OF TEETH 4,#RADIUS 1.6 TiALN-COATED,"	EA	20.000	30.04.2016	20.000

**Special Remarks**

**CheckList of Quality Interventions:**  
**BHEL reserves the right to enforce any or all of the following checks during execution of the order.**  
**There is no additional cost to the vendor on account of these checks.**

TEST CERTIFICATE REQD: Y GUARANTEE REQ : Y SAMPLE REQD : Y BID TYPE : TWO PART	For and on-behalf of Bharat Heavy Electricals Lim  BIKASH BASINI Officer/Pur/CMM
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## **Remarks:**

1. Two part bid system will be followed.
2. Dealers should send valid dealership certificate along with techno-commercial offer failing which their offer is liable for rejection.

3. Vendors can send their email offer to the following mail ids:

Technical offer to: [technicalbid@bhelhyd.co.in](mailto:technicalbid@bhelhyd.co.in)

Price bid offer to: [pricebid@bhelhyd.co.in](mailto:pricebid@bhelhyd.co.in)

Interchanging of email offers may lead to rejection of their offer.

4. OFFERS THROUGH HARD COPY CAN BE SENT TO FOLLOWING ADDRESS:

Vendor Complex

Near Admin Building Gate

BHEL RC PURAM, MEDAK, Hyderabad-502032.

Telangana State

5. BHEL Techno Commercial bid form (6 pages) - filling and sending of this forms is compulsory. Don't just write accepted/confirmed for taxes and payment terms. (Please mention clearly the % of taxes and days of payment) for further action at your end.
6. Please send the BHEL GCC (General Condition Of Contract) after duly signed, stamped along with techno-commercial offer.
7. All the supplier should send their samples to BHEL HYD within 15 days from tender opening date otherwise their offer will be rejected without giving any further information to vendors.

8. New vendors should send the samples for prove out in the below mentioned address:

**SULOCHANA/RAVI M/NARASIMHA B**

**TOOL ENGINEERING**

**TEL: 040-23184278/2374/2289**

**BHEL RC PURAM, HYDERABAD-502032**

**Note:**

- 1. Sub micron grain solid carbide or equivalent material and Carbide grade suitable to withstand machining of High chrome steels; alloy steels and hard materials upto 45 HRC**
- 2. Carbide grades with TiAlN coating or equivalent coating for increased wear resistance.**
- 3. Single tool suitable for both roughing as well as finishing applications.**
- 4. Tool should be suitable for continuous re-sharpenings so as to achieve more tool life.**
- 5. Tool should be suitable for high machining parameters (ex: tooth load 0.1mm/min, cutting speed 200 m/min)**
- 6. Surface finish of components being machined is upto 0.3 Ra**
- 7. All suppliers participating in tender has to submit samples for prove out within 15 days from tender opening date for technical acceptance.**
- 8. GR will be cleared subject to prove out at our New Blade Shop.**
- 9. Enquiry may be floated as Open Tender.**
- 10. All the Bidders participating in the tender shall submit the following documents for pre-qualification -**
  - (i) Experience and past performance on similar tools for last two years.**
  - (ii) Capabilities w.r.t personnel, equipment and manufacturing facilities/Dealership certificate in case of dealers.**
  - (iii) Financial standing through latest I.T.C.C., Annual report of last three years.**