



NOTE:-

1. Vendor must submit complete information from clause No.1 to 6.6, 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 .

4. No deviations irrespective of technical/ NIT conditions, will be acceptable because of our requirement is stringent, Hence vendors not fulfilling our requirement shall not be participate.

NAME & ADDRESS OF THE SUPPLIER:

E-MAIL ADDRESS:

SCOPE: SUPPLY OF INDEXABLE MODULAR RADIUS TOOL R1 & R1.5 WITH THEIR ACCESSORIES

Reddy, Ram
28/05/2020

मोहम्मद इकबाल / MOHAMMAD IQBAL
रूप प्रबंधक- उत्पादन / DY Manager (Prodn.)
एच.सी.एम. विभाग / HCM Division
बी.एच.ई.एस.डी.ग्राम / BHEL, BHOPAL

Rev. 01

2 TECHNICAL DETAIL (Common for all three sizes & refer sketch attached):			
2.1	Effective cutting dia. shall be suitable to use in 13.0 & 13.15 mm hole diameter	Vendor to confirm	
2.2	SS body diameter (within)	As per manufacturers std.	Vendor to confirm
2.3	SS body shank diameter (within)	: 11.5-12.5 mm	Vendor to confirm
2.4	OAL of tool (Within)	: 70-120.0 mm	Vendor to confirm
2.5	No of flute (within)	: 3-6	Vendor to confirm
2.6	Helix angle	: 0 degree	Vendor to confirm
2.7	Carbide insert coating	: PVD or TiAlN	Vendor to confirm
3 Item No.1 :			
3.1	Radius shall formed on 13.0 mm hole diameter	: R1	Vendor to confirm
3.2	Max. depth cut	: 1.0 mm	Vendor to confirm
3.3	Carbide head length (Min.)	: 25 mm	Vendor to confirm
4 Item No.2 :			
4.1	Radius shall formed on 13.0 mm hole diameter	: R1.5	Vendor to confirm
4.2	Max. depth cut	: 1.0 mm	Vendor to confirm
4.3	Carbide head length (Min.)	: 25 mm	Vendor to confirm
5 Item No.3 :			
5.1	Radius shall formed on 13.15 mm hole diameter	: R1	Vendor to confirm
5.2	Max. depth cut	: 1.0 - 2.0 mm	Vendor to confirm
5.3	Carbide head length (Min.)	: 25.0 - 27.50 mm	Vendor to confirm
6 OPERATION DETAIL:			
6.1	Cutting Speed Vc (m/min)	: 70-140 (Min.)	Vendor to specify and confirm
6.2	Feed per tooth (mm/Rev.)	: 0.03-0.065	Vendor to specify and confirm
6.3	Cutting oil	: Water soluble	Vendor to note
6.4	All Standard accessories/items (If Any) shall be in the scope of vendor enable us ready to use.		Vendor to note
6.5	Prefarable makes are: ISCAR, TUNGALOY, MITSUBISHI, MIMATIC, TAEGUTECH, WIDIA, SANDVIK, WALTER, KENNA METAL OR EQUIVALENT		Vendor to Confirm
6.6	Supplier will be solely responsible for the supply and proving the edge rounding tool at BHEL works. Actual job shall be proved at Bhopal in all respect for accuracy and performance during proving.	Vendor to Confirm	

Prepared by:

Issued by:


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 Issued by: 
 Issued by: 
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 Issued by: 

Vendor Signature with Official Stamp

20.5.2020

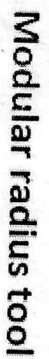
श्रीमान् इफ्तखार / MOHAMMAD EFTKAR
 उपाध्यक्ष - वित्त / Dy. Manager (Finance)
 एन.ए.डी.एल. / NED / NED Division
 टी.ए.डी.एल. / TEL, BHOPAL

28/05/2020

PQC cum Annexure-II to P.I.821102002

Rev. 01

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1. The tool in the sketch is concave/inverse radius tool in modular design/crown head type.
2. Tool body shall be made from stainless steel/tool steel and head shall have solid carbide.
3. Tool is required to be formed radius in pre-drilled hole of stainless steel work piece, as shown in operational drawing.
4. The sketch shown is tentative for reference purpose only. Manufacturers have offer their own tool body design provided dimensions given in tender technical specification should be followed.

Sanjay kumar kals
HCM Tool store

20/05/2020

मोहम्मद इकबाल / MOHAMMAD IKRAM
राउन्ड / Ekram / (D. Akbar / Mohd.)
DY. MGR/HCM / HOD, Division
रा.प.प. इ.रेल, गांधीरा / ENEL, BHOPAL

Sgt. D. V. / B.S. MADAV
S Sgt/Madav / S.Dr. Gen. Manager
Sr.DGM/HCM
गणपत / BHSL BHOPAL

2/28/90

Vendor's name:

Sl. No.	Title	Compiled	Yes/No	Remark(s)
1	Compliance sheet of annexure/PQC			
2	Authorization certificate (Other than OEM)			
3	P.O. copy, invoice copy/delivery challan and Commissioning/proving report (Those opt for shop trial in line with PQC clause no.1.3 shall be waived off from this clause)			
4	Audited balance sheet, If yes: attached sheet. If No: state the reason thereof.		NA	
5	Product catalogue/leaflet			
6	Contact detail of functional service center in India			
7	Last supplied detail (Contact detail)			
8	Experience of manufacturing of required tool/ as per NIT clause.			

Note:

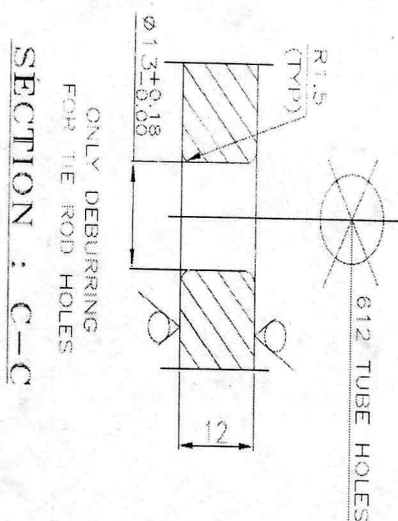
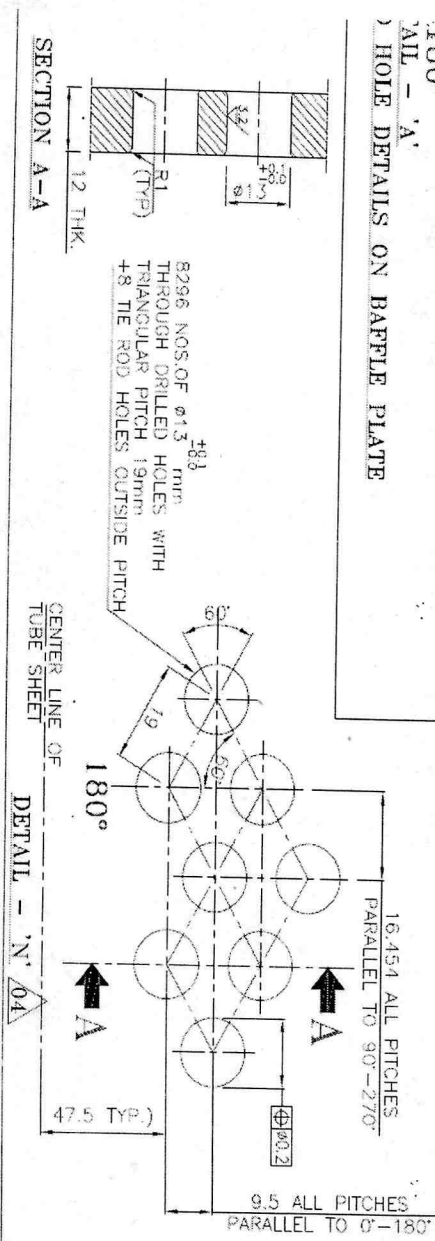
1. Vendor may use separate sheet (if required).

7. Incomplete checklist may lead to technical rejection of quotation.

Prepared by:

Issued by:

180°
TIE - 'A'
HOLE DETAILS ON BAFFLE PLATE



Prepared by:

मोहम्मद इकराम / MOHAMMAD IKRAM
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