

BHARAT HEAVY ELECTRICAL LIMITED		Enquiry No. :	
UNIT'S ADDRESS		Due Date :	
UNIT'S PHONE NOS.		Supplier Qm.	
CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL (FROM PURCHASE DEPT.)		Date :	

SPECIFICATION FOR PORTABLE HEAVY DUTY GAS CUTTING MACHINE FOR 300 MM			
NOTE:- 1. 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. 2. The offer and all documents enclosed with offer should be in English language only.			
ADDRESS OF THE SUPPLIER :		ADDRESS OF THE INDIAN AGENTS :	
TELEPHONE NOS. :		TELEPHONE NOS. :	
FAX NOS. :		FAX NOS. :	
E-MAIL ADDRESS :		E-MAIL ADDRESS :	

SCOPE: SUPPLY & COMMISSIONING OF PORTABLE HEAVY DUTY GAS CUTTING MACHINES OF CAPACITY 300 MM THICK--2 Nos			
SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED	OFFERED
1	Purpose : Cutting And Beveling of carbon steel plates from 3 mm to 300 mm		
2	PREQUALIFICATION REQUIREMENT : a) The suppliers shall give a list of atleast two PO copies or customers list with contact numbers/email id's to whom similar gas cutting machines are supplied, preferably to Govt./ public Sector b) Only OEM's or Authorised distributors are eligible. The supporting documents need to be submitted		
3	Portable heavy duty gas cutting machine capacity 300 mm--Quantity 2 Nos		
4	Cutting Capacity :	Vendor to confirm	
5	Suitable to cut 3 mm to 300 mm thick	Vendor to confirm	
6	BEVELS : 0 to 45 degrees	Vendor to confirm	
7	Suitable to bevel upto 200 mm thick	Vendor to confirm	
8	Cutting torch - Nozzle mixing type with ring and slot type nozzles.	Vendor to confirm	
9	Straight Cuts: 2 nos of 1.8 Meters suitable guiding track with suitable interlocking sections shall be supplied along with the machine	Vendor to confirm	
10	Circle Cutting : Minimum 60mm Dia, Maximum : 2000 mm Dia, suitable circle cutting attachment shall be supplied for each equipment	Vendor to confirm	
11	Cutting Speed : 50 to 800 mm/Min with infinitely variable speed drive	Vendor to confirm	
12	Torch Adjustment : Vertical 70 mm and horizontal 85 mm minimum	Vendor to confirm	
13	Gas hose connections : 1/4 " BSP threads (for fuel gas LH threads and for oxygen RH threads)	Vendor to confirm	
14	Input Power : AC 220 V +/- 10 % Single Ph 50 Hz	Vendor to confirm	
15	Spare one set should include following 1. Rack and pinion--1 no per machine 2. Carbon brushes with spring--5 nos 3. Potentiometer --1no 4. Cutter NM--1no 5. Cutter holder assembly NM--1no 6. Two standard set of nozzles per machine.		
16	Make of motor used in the machine	Vendor to specify	
17	Make of reostat used in the machine	Vendor to specify	

18	Make of potentiometer used in the machine		Vendor to specify		
19	All gears used in the machine shall not be of fibre/hard plastic.		Vendor to confirm		
20	GENERAL				
21	Make and model of offered equipment		Vendor to specify		
22	The over all dimension for the unit shall be provided		Vendor to furnish		
23	Detailed catalogue of the machine supplied		Vendor to furnish		
24	Handle of machine, torch holding knobs shall withstand gas cutting temperatures.		Vendor to confirm		
25	GUARANTEE: 1 year from date of commissioning.		Vendor to confirm		
26	PROVE OUT: Prove out at BHEL works to meet all the spec requirements is suppliers responsibility.		Vendor to confirm		
27	DOCUMENTATION: 3 sets of operation manuals to be supplied along with the machine.		Vendor to confirm		
28	Delivery period		Vendor to specify		


B. LAKSHMANUJABABU
ENGINEER/TD


K. PHALAKSHA
Sr.DGM/TD


K. NAGARAJ
Sr.Engineer/TECH-HE&F


G. HARIKRISHINA
Sr.Engineer/Welding Engg.