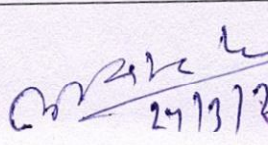


Technical Annexure

Sl. No.	Technical Specification	Bidder confirmation
1.0	Oxygen-Fuel Gas (LPG) Machine Cutting Torch – 4 sets.	
1.1	One Oxygen-Fuel Gas (LPG) Machine Cutting Torch <u>set means</u> one Cutting torch including three flash back arrestors, three flow control valve and three Hose connectors.	
1.2	Quoted Oxygen-Fuel Gas (LPG) Cutting Torch is suitable for CNC PROFILE CUTTING Machine and all three gas inlets shall be parallel to torch body.	
1.3	Oxygen-Fuel Gas (LPG) Cutting Torch shall have three inlets and without rack.	
1.4	Oxygen-Fuel Gas (LPG) Cutting Torch shall have flash back arrestor for each inlet.	
1.5	Oxygen –Fuel Gas (LPG) Cutting torch shall have manual flow control knob/valve for all three inlets.	
1.6	Oxygen-Fuel Gas (LPG) Machine Cutting Torch. Torch Type - Injector or Nozzle Mixing Type. Kindy mention Torch type.	
1.7	Cutting Torch shall be suitable for plate Thickness From 5 mm to 190 mm (mild steel). Kindly provide the Quoted Cutting Torch Cut capacity.	
1.8	Range of Barrel Diameter shall be 30 mm to 34 mm to fix the torch on the machine. Kindly provide the Barrel Diameter in mm.	
1.9	Torch Barrel shall have uniform diameter.	



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Technical Annexure

Sl.No.	Technical Specification	Bidder confirmation
1.10	Cutting Torch Barrel length (6 inches to 18 inches). Kindly provide the barrel length.	
1.11	Kindly provide the quoted Torch length (including Cutting Nozzle).	
1.12	Kindly provide the Torch catalogue or Manual.	
1.13	Torch Brand	
1.14	Torch Model	
1.15	Guarantee for manufacturing defect shall be for a minimum period of twelve months from the date of material acceptance at BHEL Works.	


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Technical Annexure

Sl.No.	Technical Specification	Bidder confirmation
1.17	<p>Cutting nozzle tips are required for cutting mild steel material of all thicknesses ranging from 5 mm to 190 mm. Total quantity of cutting nozzle tips required is 1400 numbers.</p> <p>Bidder to list down the type of nozzle tips offered to meet the above cutting range with data sheets.</p>	
1.18	<ul style="list-style-type: none"> • Starting/First/Initial 3 types of cutting nozzle tips (as per the supplier recommendation) to meet the cutting requirement of the <u>lower thickness range (from 5 mm)</u> – Each 250 numbers (Total 750 nos. to be supplied). • Balance other types of cutting nozzle tips (as per the supplier recommendation) to meet the cutting requirement of the middle and upper cutting range – Totally 650 nos. to be supplied and shall comprise of equal distribution of all the balance nozzle tips. In case the quantity of 650 nos. is not divisible equally then the indivisible quantity shall be distributed on the highest size nozzle tip(s). • For better understanding an example is given below. Bidder have cutting nozzle tips A (<u>5 mm</u> to 6 mm), B(6mm-12mm), C(12mm-75mm), D (75mm-100 mm), E (100mm -150mm), F (150 mm-190 mm) for 5 to 190 mm thickness. Then quantity details: 1- Cutting nozzle tips A- 250 Numbers. 2- Cutting nozzle tips B- 250 Numbers. 3- Cutting nozzle tips C- 250 Numbers. 4- Cutting nozzle tips D =650/ (3) =216.6666667 = 216 numbers. 5- Cutting nozzle tips E =650/ (3) =216.6666667 =216 Numbers 6- Cutting nozzle tips F= Balance =650-216 -216 =218 numbers. 	

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Additional information details:

- 1- The CNC Profile Cutting Machine has Oxy Fuel Gas (LPG) Torches with motorized height adjustment and Plasma torch with motorized height adjustment are mounted on the isostatic rigid frame work of steel box girder construction (cross beam) which is movable on long guide rails on both sides. The cross beam is move longitudinal direction rails by rack & pinion which are mounted on the sides of cross beam at both rails in master and slave mechanism. The cross transverse movement by rope drive mechanism and the power transmitted by DC servo motor with gear box mounted on the cross rail.
- 2- Material to be cut - Low Carbon steel, Mild Carbon steel and Alloy steel.

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Pre-Qualification Criteria		
S.No.	DESCRIPTION	VENDOR'S RESPONSE
1	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect / incomplete, the offer shall be rejected.	
2	Bidder is Cutting Torch manufacturer (reply in Yes or No)	
3	Bidder (other than Cutting Torch Manufacturer) shall enclose authorisation letter from Principal Supplier.	
4	The BIDDER / OEM should submit ONE Performance Certificate from any of their customers for satisfactory performance of the quoted Torch model.	
5	The BIDDER / OEM should furnish Customers list (latest supply) where such gas cutting machines /cutting torches have been supplied in the past. The reference list should have complete address and contact details of contact person along with the Model and quantity supplied.	

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