

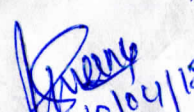
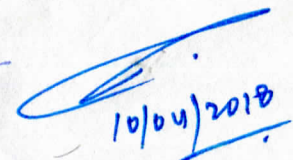
INDENT NO-20180100

TECHNICAL SPECIFICATIONS OF PORTABLE EDGE PLANER MACHINE**NOTE :-**

1. The vendor should fill the "Offered" Column in compliance to specified requirements and also "Deviations" Column
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 EDGE PLANER MACHINE, Qty- 3 nos**

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
1.0	APPLICATION				
1.1	The Portable Edge Planer machine is required for making edge/ bevel & for de-cladding pupose on Titatium cladded mild steel plates of different thickness using carbide tools. The machine will be used for- a.) Making edge/ bevel on all the four edges along the periphery of plate. b.) Declading titanium of 2mm from the top side of plate for the width of 10mm along the periphery of plate.	Vendor to offer			
2	Job Description				
2.1	Type of job- Titanium cladded mild steel plate	Vendor to note			
2.2	Thickness of Plate- 18mm(16mm+2mm cladding) , 12mm(10mm+2mm cladding). Thickness of Titanium cladding- 2mm on each thickness of plate.	Vendor to note			
2.3	Size of plates- 2.5M x 7.0M (May vary according to requirement).	Vendor to note			

 R. Handhary
 Sudeep
10/04/18 10/04/2018 10/4/2018

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
2.4	Details of Titanium Cladding - 1. Grade - ASTM, B265 , Gr2 2. UTS - 345 Mpa 3. Shear strength- 175-200 MPa. Details of Carbon Steel- 1. Grade - ASTM, A516, Gr 70 2. UTS- 485-620 MPa 3. Shear Strength - 250 MPa -310 MPa	Vendor to note			
2.5	Details of edge/ Bevel- Edge/ bevel is required to be made on all the four edges of plates along the periphery on mild steel portion. Please refer sketch (Annexure-1) for details.	Vendor to note			
2.6	Details of De-cladding: De-cladding of titanium of 2mm thickness is required from the top side of plate for the width of 10mm along the periphery of plate. Please refer sketch (Annexure-1) for details.	Vendor to note			
3.0	TECHNICAL SPECIFICATION				
3.1	Description: Portable Edge Planer Machine with decladding attachment	Vendor to offer			
3.2	Input Supply- 220V $\pm$ 10% variation	Vendor to note			
3.3	Power	Vendor to specify			
3.4	Spindle speed at no load	Vendor to specify			
3.5	The machine should have provision of decladding as mentioned at clause 2.6	Vendor to offer			
3.6	Bevel angle- -60 to + 60 deg	Vendor to Confirm			
3.7	Plate thickness which can be accomodated by machine	Vendor to specify			
3.8	The machine should be track/ rail mounted with the provision of extended track/ rail.	Vendor to offer			
3.9	Feed Speed	Vendor to specify			
3.10	Input Power Cable- 20 M.	Vendor to Confirm			
3.11	Weight of the machine	Vendor to specify			

Amresh Phandhary

12/01/2018

Seideep
12/01/18

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
3.12	The machine should be complete in read-to-use condition with all-necessary accessories like milling unit, guide track, track clamp, chip container etc.	Vendor to Confirm			
4.0	TECHNICAL FEATURES				
4.1	Construction- Portable, light weight, handy and sturdy to work at shop floor working condition	Vendor to confirm			
4.2	It should have following in-built features:				
4.2.1	Auto-feed portable bevelling	Vendor to confirm			
4.2.2	Continuously adjustable bevel angle between 60 and minus 60 degree so that there is no need to turn the plate for bevelling from other side	Vendor to confirm			
4.2.3	Provision of bevelling in both travel directions	Vendor to confirm			
4.2.4	Should have provision of motor overload protection	Vendor to confirm			
4.2.5	Should have suitable provision for quick set-up	Vendor to confirm			
4.2.6	Should have provision of extendable rails	Vendor to confirm			
5.0	SPARES (For 3 nos of Portable edge planer)				
5.1	Vendor to quote recommended spares for 2 year trouble free operation	Vendor to offer			
6.0	DOCUMENTATION:				
6.1	Three sets of operation & maintenance manuals consisting following along with the supply-	Vendor to confirm			
6.2	Operating & maintenance instructions with Do's & Don'ts	Vendor to confirm			
6.3	Mechanical assembly diagrams	Vendor to confirm			
6.4	Electrical & Electronic circuit diagrams	Vendor to confirm			
6.5	Split diagrams with part identification	Vendor to confirm			
6.6	Trouble shooting chart and diagnostic system	Vendor to confirm			
6.7	List of complete spares with identification nos.	Vendor to confirm			
7.0	COMMISSIONING				

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
7.1	Commissioning & trials of all the features of the machine will be done by the vendor at BHEL work.	Vendor to confirm			
7.2	During commissioning vendor has to carry out following operation on 1 no of Titanium clad plate with each machine (Total 3 nos of plates)- (Refer details in the sketch mentioned at Clause 2.5 & 2.6) 1. Beveling on all 4 edges of plate 2. Decladding of Titanium from top edge of Plate	Vendor to confirm			
7.3	Vendor will impart training to BHEL personnel during commissioning.	Vendor to confirm			
8.0	FINAL ACCEPTANCE				
8.1	Final acceptance shall be given after commissioning of the Portable edge planar at BHEL by the vendor to the full satisfaction of BHEL as per specification. Final commissioning will be given after 10 days of successful trial of the machine mentioned at clause 7.2.	Vendor to confirm			
9.0	WARANTTEE				
9.1	Warrantee for 2 years for smooth & trouble free working from date of commissioning	Vendor to confirm			
10.0	Special Instructions				
10.1	Vendor should provide pointwise confirmations and clarifications of all above mentioned specification clauses with technical back-up documents/ technical literatature	Vendor to confirm			
10.2	Vendor should mention clearly the scope of supply i.e. Main machine, de-cladding arrangement, guide track, chip container etc.	Vendor to confirm			
10.3	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false/incorrect, the offer shall be rejected.	Vendor to note			

SL. NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
11.0	PRE QUALIFICATION REQUIREMENT (PQR) :				
11.1	Only those vendors should quote who have supplied and commissioned at least one number of Portable edge planer machine for the following application- 1. Operation of bevelling from the edge of plate 2. Declading from the top side of plate in last five years and such machine(s) is (are) presently working satisfactory for more than one year after commissioning. The following information should be submitted by the vendor about the companies where such machine has been supplied. This is required from all the vendors for qualification of their offer.	Vendor to comply			
11.1.1	Name of the customer/Company where such machine(s) is(are) installed.	Vendor to submit			
11.1.2	Complete postal address of the customer.	Vendor to submit			
11.1.3	Year of commissioning.	Vendor to submit			
11.1.4	Application for which the machine is supplied	Vendor to submit			
11.1.5	Name and designation of the contact person of the customer.	Vendor to submit			
11.1.6	Phone ,FAX No. and email address of the contact person of the customer.	Vendor to submit			
11.1.7	Performance Certificate from the customer regarding satisfactory performance of the machine supplied to them	Vendor to submit			

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11-4-18

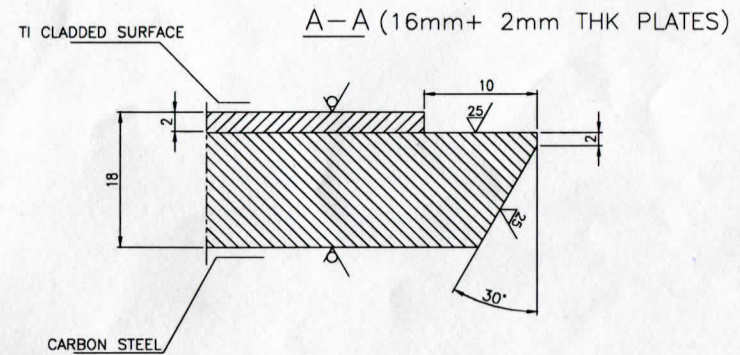
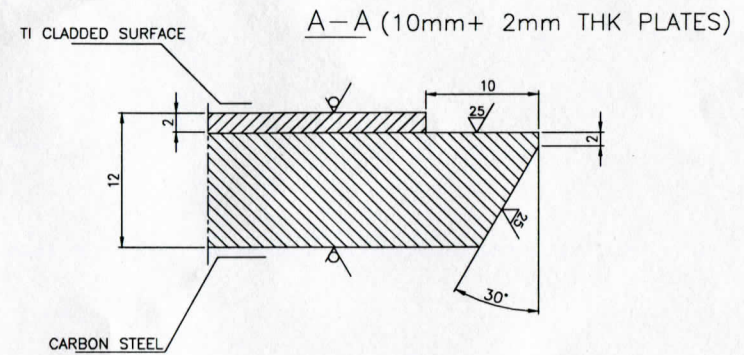
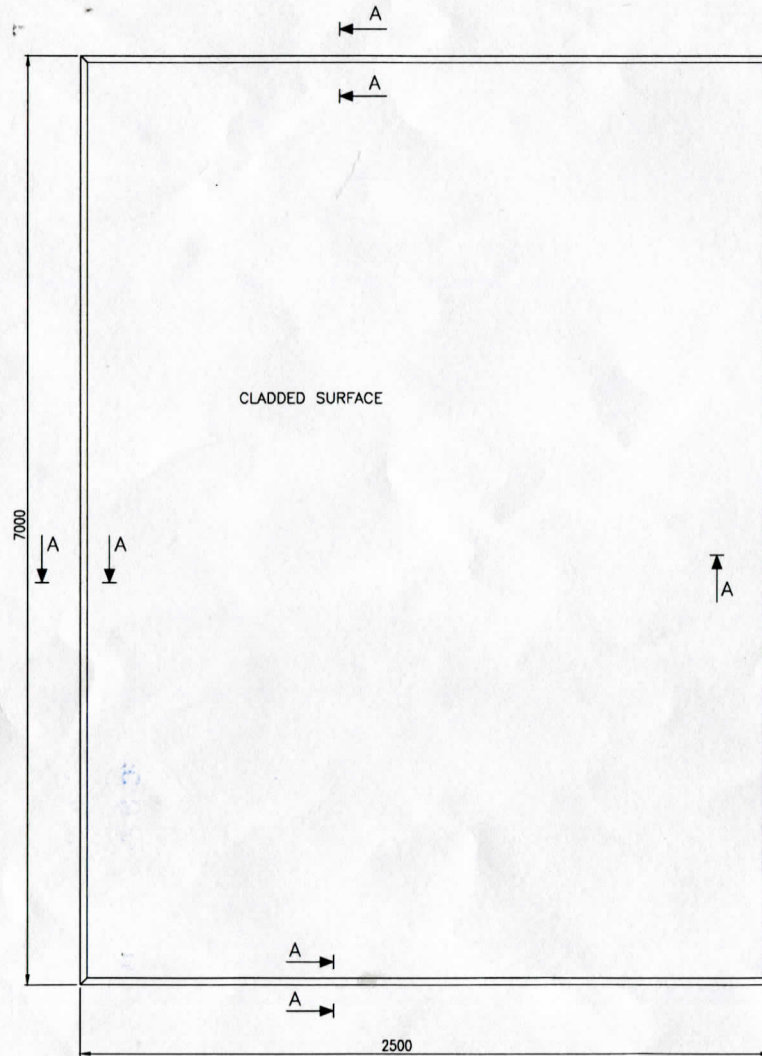
Rohit Chaudhary
10/04/18
[ROHIT CHAUDHARY
S.E., WEX, BL2 & 11.]

10/04/2018
[Ravi Deshwal
S.E. (WT)]

Sudeep
10/4/18
[SUDEEP S. SALUJA
Dy. Manager (BK2)]

ANNEXURE-1

50 THE REST.



Sudeep
10/4/2018
(SUDEEP SALUSA)
S. Manager
(Block-2)

Rhandhary
10/04/18
[Signature]
Rohit Chaudhary

10/4/2018
Ravi Deshwal
S.E. (WT)

NOTE: ALL DIMENSIONS ARE IN MM