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	भारतीय प्रौद्योगिकी संस्थान, रूडकी	Indian Institute of Technology	
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No. 1100001828/MM-6/Corrigendum/529

Date: 21-01-2021

**Corrigendum**  
**Change in Technical**

**Sub.:** Corrigendum for Change in Technical

**Ref.:** No. 1100001828/MM-6/IITR/2020-21/Hydraulic Power Unit With/MIED/284

**Dated:-** 15-Jan-2021

The above mentioned tender will be processed on item wise basis as below:

वस्तु की तकनीकी विशिष्टताएँ / Technical Specifications of item:

Sr. No	Name of item / Specifications	QTY	UOM
<b>Hydraulic Power Unit With Servo Valve</b>			
<b>1</b>	<b>Hydraulic Motor Unit</b>	<b>1</b>	<b>Set</b>
<b>2</b>	<b>Necessary Controller Components for Hydraulic Unit</b>	<b>1</b>	<b>Set</b>
<b>(For Detailed Technical Specification Plz refer Annexure-A)</b>			
<b>Note: The firm must quote itemwise separately. L-1 will be assessed itemwise as per above.</b>			

Also, technical specification of Annexure-VI in above referred tender has been modified/replaced with Annexure-A.

The Changed/Revised Specifications in respect of the items (Annexure-A) may be downloaded from the CPP Portal & Institute website.

The bidder should quote accordingly.

All other things will remain same.

**\*Deputy Registrar/Assistant Registrar**  
**Material Management, IIT ROORKEE**

# Annexure-A

Tender Reference no. 1100001828/MM-6/2020-21 MIED

In reference to tender no. mentioned above, kindly process the tender "Item-wise" for the following two items:

<b>Hydraulic Power Unit with servo-valve</b>	
<b>1.0</b>	<b>Hydraulic motor unit with following requirements</b>
	Silent flow hydraulic power unit with maximum oil pressure of 3000 psi along with water cooling kit and necessary hose pipes for connecting with the fatigue machine load-frame of capacity upto 1000 kN. The oil flow rate should be more than 100 lpm with appropriate reservoir capacity of more than 300 Litres and noise level less than 65 dB. The power unit should be compact in size and be able to fit in a room of size 100 cm by 140 cm by 170 cm. A suitable capacity motor should also be equipped with the HPU so maintain the necessary flowrate along with an enclosed unit to reduce the sound. An emergency stop button shall also be provided along with the ability of remote control from the PC and should be integrated to the HSM of the load frame to cut-off the oil supply in case of emergency. The HPU should be able to operate for up to 40 degree Celsius and proper air cooling system should be quoted, if necessary. Necessary oil filter for the return valves should be equipped and cables/valves required to communicate with the controller or the load frame should be included. Any additional accessory required for proper functioning of the HPU with the load frame should be quoted or otherwise will be considered as standard and to be provided free of cost. Submission of quotation without technical brochure/documentary evidence and past POs (govt. organizations) for the supply of the items will suggest technical incompetency of the bidder and may leads to technical disqualification of the bidder. Installation/commissioning/onsite offloading/wiring connections/measuring gages all should be provided free of cost.
<b>2.0</b>	<b>Necessary Controller Components for Hydraulic unit</b>
	Module assembly with HSM Wye cable for HPU
	Controller Jumper Plug Kit 494.26
	Additional channels for the controller with dual DUC card, 8 channel analog input board with breakout cables 494.45 and necessary cables/attachments for 2-station/2-channel flexnet 40 controller configuration, cable assembly for E-stop of HPU.
	Handset with retainer and mounting screws 494.05
	Computer to control the HPU with WIN 10, 64 bit, 8GB RAM, 2x500 GB HDD, 23" LED, along with standard softwares and software to perform fatigue tests (LCF/HCF), tensile tests, fracture toughness tests, variable amplitude tests, custom waveform tests, displacement controlled tests. Appropriate templates should be provided to perform these tests along with CDs and license keys, with software support plan for 10 years. Installation/commissioning/onsite offloading/wiring connections/measuring gages all should be provided free of cost.

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*KAD*

*W. Singh*

(Indra Vir Singh)