

**ANNEXURE-A****HYDRO TURBINE ENGINEERING****Rev.00**

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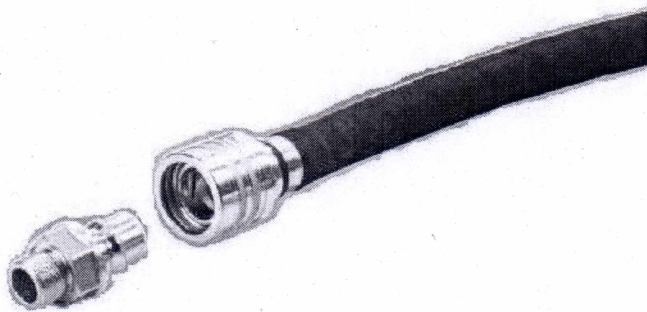
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**SPECIFICATION OF**  
**FLEXIBLE HOSE WITH QUICK RELEASE COUPLING**

**P.I. No.: 240214665****1. DESCRIPTION:**

Flexible wire braided rubber / nylon hose pipe, both ends should be securely fitted with quick release couplings (Material-stainless steel) along with male adaptor (Material-stainless steel) (see attached figure). At one end this male adaptor will be screwed to a valve having female screwed end and other end to a hydraulic servomotor having female screwed end. The couplings should have proper sealing and must comply with the following technical parameters.

1. Application: Pressurized oil
2. Compliance with: IS-7651(for hose) / IS 8262 or equivalent(for QR Coupling)
3. Quantity required: As per purchase indent / enquiry
4. Size of pipe: **10 NB**
5. Size of quick release coupling: **10 NB**
6. Size of valve the hose will be connected to: 10 NB
7. Valve Female screwed end depth (For designing male adaptor): 9.0 mm max.
8. Length of hose pipe: 3000 mm
9. Design pressure: 120 kg/cm<sup>2</sup>
10. Hydraulic test pressure: 180 kg/cm<sup>2</sup>



Male Adaptor

*Varun Pagariya*  
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वरुण पगारिया / VARUN PAGARIYA  
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HTE-2013

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**2. CHECKLIST:**

Sl. no.	Requirements	Supplier's Concurrence (YES / NO)
1.	Fulfilled all technical parameters mentioned above	
2.	Male adaptors will be provided at both ends of pipe	
3.	Adaptors shall be checked with gauges	
4.	Hydraulic testing shall be carried out	
5.	Specification shall be written on the hose pipe / Tags shall be provided	
6.	TCs & GC will be furnished	
7.	Male adaptor screwed end length (For sealing)	

679069/2022/HEP-HTE40200

QUALITY REQUIREMENT/ SCOPEPI NO: 240214665PROJECT NAME: KALESHWARAM LIS

1. Item no. 1 – FLEXIBLE HOSE PIPE 10 NB X 3 M LG AS PER PRODUCT SPECIFICATION ANNEXURE A:

- |                    |   |              |
|--------------------|---|--------------|
| 1. Material        | : | As per SPEC. |
| 2. Dimension check | : | As per SPEC. |
| 3. Others          | : | As per SPEC. |

Note: Supplier to prepare QA plan on the basis of this &amp; get it approved by BHEL, Bhopal QA.

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