

Annexure-I

Technical Specification for Medium Voltage Energy Cables

1.0 Scope:

Item-001 - Supply of Medium Voltage Energy Cable (Refer Fig-1 & Fig-2 below) to be used in 36kV Gas insulated switchgear to connect two ends 'A' & 'B' against Item-1 as per Technical details specified below :

Technical Parameter for item-001	Required value
Voltage Level	36kV
Application Area	Indoor
Cable Section	Super Flexible Cable 95 mm ²
Phase Designation	No marking for phase discrimination is required
Connection side 'A'	Size 2 upto 42kV (Male contact for size-2 bushing)
Connection side 'B'	Size 2 upto 42kV (Male contact for size-2 bushing)
Cable screen side 'A'	Cable screen led out
Cable screen side 'B'	Cable screen led out
Voltage tap side 'A'	Voltage tap not lead out
Voltage tap side 'B'	Voltage tap not lead out
Routine tests including PD & H.V	On 100%
Length of cable	1.7 Meter
Length of the cable screen side 'A'	0.5 Meter
Length of the cable screen side 'B'	0.5 Meter

Item-002 – Protecting cap for CONNEX Separable Connector Size-2, not voltage proof for MV Energy Cable against item-001 above.

2.0 Acceptance Criteria:

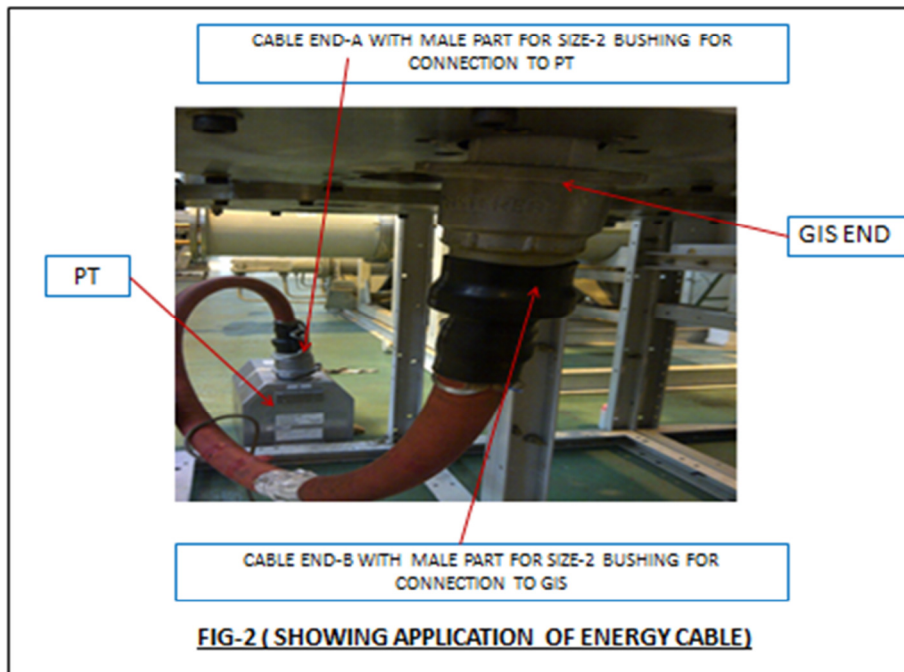
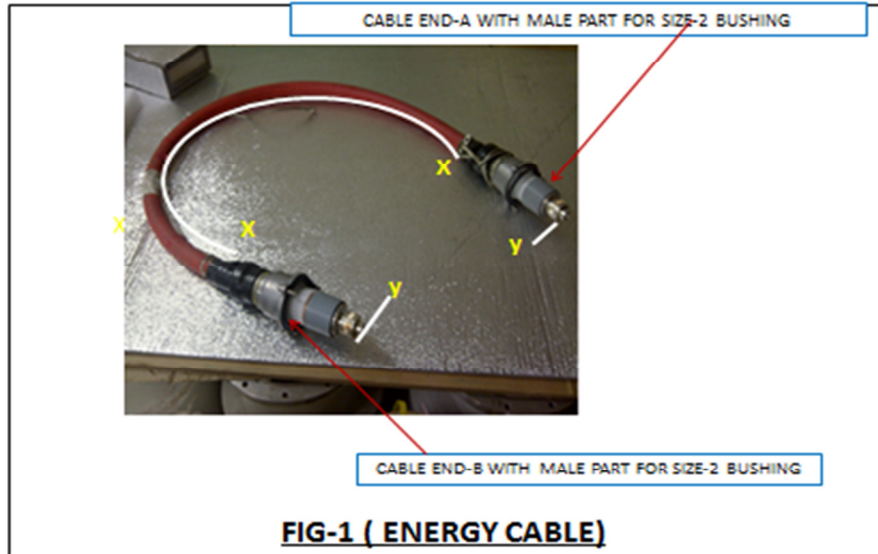
- Drawings for above items must be submitted alongwith the offer by for approval by BHEL before start of manufacturing.
- Photographs of item-001, Item-002 & final assembly of item-001 & 002 must be sent for approval by BHEL before dispatch to India.

3.0 Packing :

- Each item shall be packed separately in high density dust free cardboard boxes, suitably wrapped in polyethylene
- Item -001 & Item-002 to be assembled together before dispatch.

4.0 The component shall be guaranteed against all manufacturing defects.

ITEM-001 : Energy Cable with end A & End B as shown in fig-1 & Fig-2 and total length of cable-XX as marked in fig-1 is 171 CM. Total length of cable along YY is 236CM.



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