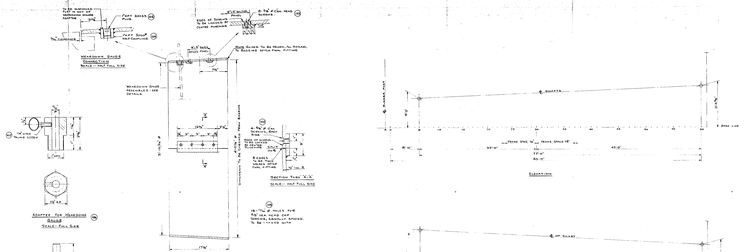


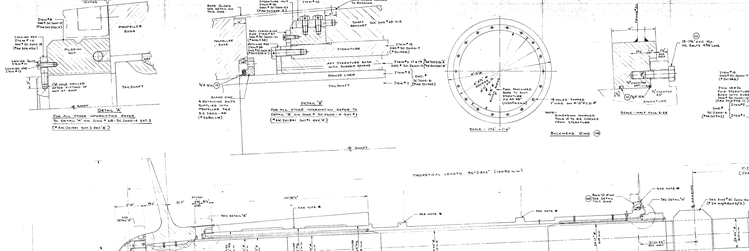


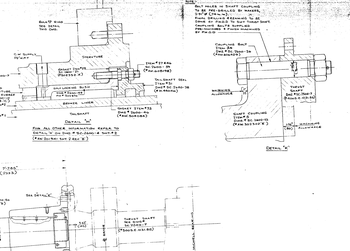


## List of Parts

Quantities, sizes and run of Shaft Assembly

| Item No. | Description | Material | Standard | No. | Unit Mass |
|---|---|---|---|---|---|
| | For 2700 MW (4 x 675 MW) Kishanganga HEP (Stage-II) (Unit-1, Unit-2, Unit-3 & Unit-4) and Shaft (Shaft-F, Shaft-G, Shaft-H & Shaft-I) | | | | |
| | Shaft-G Assembly Bifurcated Type Penstock Chainage (+) 4+ 8.8 Mtrs | | | | |
| | Penstock Assembly Bifurcated Type Penstock Chainage (+) 4+ 8.8 Mtrs | | | | |
| | Shaft-G Assembly Bifurcated Type Penstock Chainage (+) 4+ 8.8 Mtrs (+) Shaft-H (+) Shaft-I | | | | |
| | NOTE: Refer the following Steel Drawings for Quantities of Steel Liners & Embedded Parts to complete the Shaft-G Assembly | | | | |
| 101 | Pipe Sizes (in mms) | Steel | - | | |
| 102 | Plates (in mm Sizes) | Steel | - | | E250Gr |
| 103 | Shaft Centre Line | - | - | | |
| 104 | Shaft Centre Circum. | Steel | - | | |
| 105 | Shaft Pipe Run | Steel | - | | |
| 106 | Shaft-G Penstock Angle | - | - | | |
| 107 | Plates (in mm Sizes) | - | - | | |
| 108 | Plates (in mm Sizes) | - | - | | |
| 109 | Plates (in mm Sizes) | - | - | | E250Gr |
| 110 | Bolts & Nuts | Steel | - | | 8.8/10 |
| 111 | Shaft Pipe Sizes | - | - | | E250Gr |
| 112 | | | | | |
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| 150 | | | | | |

Applicable Codes, Standards and Specifications

Penstock & Shaft Liners

Material Grade

Penstock Shell E250Gr

Shaft Liner E250Gr

Stiffeners E250Gr

Bolts & Nuts 8.8/10

Welding

Penstock & Shaft Liners

Shop Welding

Field Welding

Bolted Joints

Penstock & Shaft Liners

Bolts & Nuts

Fabrication Tolerances

Penstock & Shaft Liners

Shop Welding

Field Welding

Bolted Joints

Penstock & Shaft Liners

Bolts & Nuts

Inspection, Testing and Requirements

Inspection, Testing, Load Tie Testing & Surveying Information

Shop Welding

Field Welding

Bolted Joints

Penstock & Shaft Liners

Bolts & Nuts

Painting & Coating

Painting & Coating

Shop Painting

Field Painting

Painting & Coating

Shop Painting

Field Painting

Painting & Coating

Shop Painting

Field Painting