

BOQ Items for Raipur Hotspare				
BOQ Sl. No.	Material Code	Item Description	Unit	Tentative Qty.
6	1000055459	HVW spray system, Hydrant system and complete U/G & O/G piping and accessories etc. out side the pump house for 80 MVAR, 765 kV SinglePhase shunt Reactor	SET	1
I		HYDRANT SYSTEM		
(i)		MS Pipe (Above Ground)		
(a)		250NB, IS:3589, Gr.410, 5mm Thick (Min.)	Mtr.	30
(b)		100NB, IS:1239 Part-I (Medium Grade)	Mtr.	6
(c)		80NB, IS:1239 Part-I (Medium Grade)	Mtr.	6
(ii)		MS Pipe (Under Ground)		
(a)		100NB, IS:1239 Part-I (Medium Grade)	Mtr.	12
(b)		Hydrant Valve, 63mm (IS:5290, Type-A)	EA	1
(c)		RRL Hose Pipe with Coupling, 63mm Dia (IS:636, Type A 15m Long x 1 No.)	EA	2
(d)		Hose Box [Mild Steel-900x600x300(D)]	EA	1
(e)		Branch Pipe with Nozzle (63mm Dia Branch Pipe with 20mm dia Nozzle)	EA	1
II		HIGH VELOCITY WATER SPRAY (HVWS) SYSTEM FOR 80MVAR, 765kV REACTOR (6 NOS.)		
(i)		GI PIPE		
(a)		100NB, IS:1239 Part-I (Medium Grade)	Mtr.	30
(b)		65NB, IS:1239 Part-I (Medium Grade)	Mtr.	30
(c)		50NB, IS:1239 Part-I (Medium Grade)	Mtr.	54
(d)		40NB, IS:1239 Part-I (Medium Grade)	Mtr.	24
(e)		25NB, IS:1239 Part-I (Medium Grade)	Mtr.	102
(f)		MS Pipe for Pylon Support	Mtr.	20
(g)		65NB, IS:1239 Part-I (Light Grade)	Mtr.	72
(h)		Gate Valve (Rising Spindle), 100NB	EA	3
(i)		Deluge Valve (100NB) with Trim, Pressure Gauge & Solenoid Valve	Set	1
(j)		Y-Strainer, 100NB	EA	1
(ii)		HVW Spray Nozzle		
(a)		20NB, K18 x 80°angle	EA	80
(b)		20NB, K26 x 100°angle	EA	10
(c)		QB Detector (15NB, 79°C)	EA	40
(d)		Pressure Switch	EA	2
(e)		Deluge Valve Local Control Panel (DVLCP)	EA	1
8	1000031061	ERECTION H/W-765KV SW I/R (Spare line reactor connection arrangement)	LS	1
		Terminal Connector for 765kV, 3150A Circuit Breaker to suit 4.5" IPS Aluminum Tube - Expansion Type	EA	2
		Terminal Connector for 624kV Surge Arrestor to suit Quad AAC Bull Conductor	EA	1
		Terminal Connector for 765kV Bus Post Insulator to suit 4.5" IPS Aluminum Tube - Rigid/Through type	EA	5
		Terminal Connector for 765kV Bus Post Insulator to suit 4.5" IPS Aluminum Tube - Expansion type	EA	5
		Terminal Connector for 145kV Bus Post Insulator to suit Twin AAC Bull conductor	EA	1
		Corona Bell to suit 4.5" IPS Aluminum Tube	EA	3
		Welding Sleeves to suit 4.5" IPS aluminum tube	Lot	1
		PG Clamp to suit Quad Bull AAC conductor	EA	2
		Tee connector to suit Twin AAC Bull conductor on all way	EA	1
		Rigid Spacer to suit Quad AAC Bull Conductor with 450mm Sub-conductor Spacing	EA	6
		Flexible Spacer to suit Quad AAC Bull Conductor with 450mm Sub-conductor Spacing	EA	6
		AAC Bull Conductor	Mtrs.	50
		4.5" IPS Aluminum Tube	Mtrs.	79
9	1000011148	Material for Earthing of single phase units of Reactors and accessories like cooler bank, cooler control cabinets, common	LS	1
		40mm dia 3 Mtr.Long Rod Electrode	EA	1
		75x12mm GS Flat	Mtrs.	300
		50x6mm GS Flat	Mtrs.	50
		50x6mm MS Flat for Cable Trench	Mtrs.	50
		Cleat Type Clamps for 75x12 mm GS Flat	EA	100
		Cleat Type Clamps for 50x6 mm GS Flat	EA	20