

Tentative list for Dimensions and Weights Of ODC items to be Handled / Erected
AD HEP 2X96 MW

SI no	Product Name	Approx pkg Dim in meters (L X W X H)	Apprx Wt / unit/pkg (MT)	No of Pckgs per unit	Total Weight (MT)
A)	Turbine each				
1	Runner	3.2x3.2x0.8	10.5	1	10.5
2	Shaft	3.2x1.2x1.2	11	1	11
3	Distributor Largest segment	6.0x3.0x2.0	20	1	20
3A	Distributor other segments LS		50	1	50
4	a)Turbine Housing Largest segment	7.5x3.8x3.0		1	0
	b) Turbine Housing total weight LS		50	1	50
5	Nozzle Assly		7.5	5	37.5
6	Deflector Servo Motor		2.5	1	2.5
7	Central Frame work LS		6	1	6
8	Miscellaneous LS		30	1	30
9	Miscellaneous items (trolleys, rail structure, Automatic winch system) LS		20	1	20
B)	Spherical valve each(dia 1250mm)				
1	Valve Assy	3.4x2.6x2.0	32	1	32
2	Upper Stream Pipe		7	1	7
3	Out let Pipe with dismantling joint		7	1	7
4	Servo Motor		2	2	4
5	Miscellaneous incl. Counter weights LS		30	1	30
C)	Governor & PP set		40	1	40
D)	Auxilliaries (for Powerhouse)				
1	Cooling water pump motor sets		3.5	7	24.5
2	Strainers for CW system		1	1	1
3	Heat exchangers		1	2	2
4	HP compressor motor sets		1	4	4
5	LP compressor motor sets		1	2	2
6	Air Receivers (HP+LP)		1.5	3	4.5
7	Piping,Valves, Fittings, and other misc. items for items D1 to 6 LS		50		

E)	Spares (for Powerhouse)				
1	Runner	3.2x3.2x0.8	10.5	4	42
2	Nozzle assy		7.5	2	15
3	Other items LS		30	1	30
F)	Generator				
1	Wound Stator Segment	5.8x2.8x3.8	52	3	156
2	Poles Assy	2.5x1.2x0.8	4.4	12	52.8
3	Rim Punching	2.0x1.2x0.8	2.6	38	98.8
4	Top Shaft	2.6x1.5x1.8	8	1	8
5	Bottom Shaft	3.0x1.5x1.8	10	1	10
6	Bottom Bracket	3.8x3.8x1.2	6	1	6
7	Top Bracket center	3.0x3.0x2.0	15	1	15
8	Top Bracket Arm	1.8x0.6x1.6	2.5	6	15
10	Air Coolers	2.4x0.7x2.2	1.5	6	9
11	Oil Cooler (top bearing)	1.3x1.2x1.0	0.5	6	3
12	Oil Cooler (Bottom bearing)	1.2x1.0x0.8	0.3	2	0.6
13	Miscellaneous				0
	Large Packages	2.5x2.0x1.0	1.5	10	15
	Medium packages	2.0x1.5x0.8	1	15	15
	Small packages	1.5x1.0x0.8	0.8	20	16
Weight for 1 set TG					902.7
Weight for 2 sets TG					1719.9
Weight of EDN scope for 2 sets					35.6
TOTAL WEIGHT					1755.5
SAY					1800

WEIGHTS & DIMENSIONS OF EQUIPMENT UNDER BHEL-EDN SCOPE OF SUPPLY

PROJECT:- ALLAIN DUHANGAN 2X96 MW HEP

SL NO.	EQUIPMENT	ITEM DESCRIPTION	QTY FOR 2 SETS	DIMENSIONS (WDXH)mm	Unit Weight (Kgs)	Total Weight in Kgs (2 Units)	Length Mtrs.	Remarks
1	SEE	Excitation Transformer Cubicle	2	2000x1500x2300	4000	8000	-	Operating Hall-Power house
		Field Suppression cubicle	2	950x1200x2295	800	1600	-	Operating Hall-Power house

		Field Breaker Cubicle	2	950x1200x2295	3000	6000	-	Operating Hall-Power house
		Thyristor cubicle	6	950x1200x2295	700	4200	-	Operating Hall-Power house
		Regulation cubicle	2	1150x1200x2295	1000	2000	-	Operating Hall-Power house
		Aux Power Supply panel	2	950x1200x2295	1000	2000	-	Operating Hall-Power house
2	C&M	Unit Control Board	2 Suites	(750+750+750+750) x2500x2320	2500	2500	-	Operating Hall-Power house
		Temperature & Gauge Panel	4	1000X800X2320	500	2000	-	Operating Hall-Power house
		Common Aux. Control Board	1 Suite	(750+750+750+750) x2000x2330	800	800	-	Operating Hall-Power house
		Alarm Annunciation Panel	2	1000x800x2320	600	1200	-	Operating Hall-Power house
3	UNIT HMI	Operator Work Station with Table	2	1210x760x750	50	100	-	Control Room
4	SCADA	Engineer Work Station with Table	2	1210x760x750	50	100	-	Control Room
		Historical Storage Station with Table	1	1210x760x750	50	50	-	Control Room
		Max OPC Station with Table	1	1210x760x750	50	50	-	Control Room
		Max LINKS Station with Table	1	1210x760x750	50	50	-	Control Room
		Ethrent Switch Panel	1	1000x800x2320	400	400	-	Control Room
		Colour Laser Printers	2	-	25	50	-	Control Room
		Dot Matrix Printers	1	-	5	5	-	Control Room
		Large Video Screen (120cm)	1	2000x750x2800	100	100	-	Control Room

5	GPS Clock System	Patch Panel	1	1000x400x2300	100	100	-	Control Room
		Coaxial Cable	2	-			500	
6	Fiber Optic Cable	6 Core Monomode	1 Set	-	250	250	3000	
		Single Core Multimode-3 Mtrs	25	-	50	50	75	25 runs - 3mtrs each
		PVC Conduit	1		500	500	3000	For 6 core FO cable
7	Power Cable	1Cx70 sqmm	1	-			500	
		3Cx16 sqmm	1	-			500	
8	Interconnecting Cat between max Panel		1	-			1000	
9	Cooling System for Heat Exchangers		4	3000x3000		500	1000	
		Air Evacuation Ducts	2	-		500	1000	