

भारत हेवी इलेक्ट्रिकट्स लिमिटेड BHARAT HEAVY ELECTRICALS LIMITED

भारत सरकार का उपक्रम (A Govt. of India Undertaking) पायर सेवटर : पूर्वी क्षेत्र / Power Sector Eastern Region VIZAG THERMAL POWER PROJECT Pavalavasa Village T. Devada Post Pedagantayada Mandal Visakhapatnam-530 031

Ref.No: BHEL/HNPCL/GM/01

Date: 31.01.2017

Work Completion Certificate

This is to confirm that M/s.Mukand Engineers Limited has been awarded a contract for Erection, Testing & Commissioning of cable trays, cabling, lighting and earthing protection, HT/LT Transformer, HT/LT Bus duct, HT/LT Switchgears, Panels, DG Set, Miscellaneous Electrical Equipment for 2x520 MW HNPCL VIZAG UNIT # 1 & 2 PROJECT. vide Work Order No.PSER:SCT: VIZ-E 1385:12: WO: 3187 Dated 14.03.2012. M/s Mukand Engineers Limited has executed following electrical works successfully and satisfactorily.

SI.No.	Item	Quantity
1	<u>Transformers:</u>	
	i) Generator Transformer: 216MVA, {(420/√3)/21KV ,1 Phase	7 Nos.
	ii) Station Transformer : 90MVA,400/11.5 KV),3Phase	2 Nos.
	iii) Unit Transformer: 25 MVA 21/11.5 KV	4 Nos.
	iv) Unit Auxiliary Transformer: 16 MVA 11/3.5 KV	4 Nos.
	v) Station Auxilary Transformer: 16 MVA 11/3.5 KV	2 Nos
2 ·	Bus Ducts:	
	i) IP bus duct (21KV,19KA)	800 Mtr.
	ii) SP bus duct (11 KV/ 1600A)	400 Mtr.
	iii) SP bus duct (3.3 KV/ 3000A)	600 Mtr.
3	LT Bus Ducts (415V,3000A/2500A/1600A)	36Sets.
4	Battery System (220V)	4 Sets.
5	DG Set(1500 KVA, 50 HZ, 415 V)	3 Sets.
6	HT Switchgear (11 KV & 3.3 KV)	14 No.of
		Boards
7	LT Switchgear and DCDB&ACDB	86 No.of
		Boards
8	Cable Tray Erection	98 KM
9	Cable Tray Support (ISA 50X50X6 ,ISMC100 &ISMC150)	460 MT
10	Earthling Materials: Galvanized Flats 75X10,50X6,35X6,25X3	55000 Meters
11	HT Power Cable Laying (3.3/11 KV) & Termination	80 KM
12	LT Power, Control & Instrumentation Cable Laying including Termination	1600 KM

The value of Erection, Testing & Commissioning works executed till date is Rs. 900 Lakhs.

For and on behalf of BHARAT HEAVY ELECTRICALS LIMITED

General Manager
BHEL/HNPCL/Vizag

M.R. DAS, aGM BHEL: PSER: Vizag HNPCL, Visakhapatnam