



TITLE

2X660 MW THDC Khurja STPP

DOUBLE GIRDER EOT CRANES ABOVE 100T
SPECIFIC TECHNICAL REQUIREMENTS

SPECIFICATION NO. PE-TS-475-501-A501

REV 00

Section IA

Date July '20

ANNEXURE-II MANDATORY SPARES

MANDATORY SPARES:

S. NO.	ITEM DESCRIPTION	TOTAL QUANTITY FOR THE PROJECT (2 x 660 MW)
1	Mechanical :	
(a)	Bearings for long travel wheels	1 Set(Requirement for one Crane)
(b)	Bearings for cross travel wheels	1 Set(Requirement for one Crane)
(c)	Bearings for Gear Boxes for each type of Hoist & travel (Main and aux hoist, LT and CT travel))	1 Set(Requirement for one Crane)
(d)	Brake Liner for all the brakes (main and aux hoist ,LT and Ct travel))	2 Sets(Requirement for two Crane)
(e)	Hydraulic thruster for all Brakes (Main and aux hoist, CT and LT travel)	1 Set(Requirement for one Crane)
(f)	Oil Seals (both main and aux hoist , CT and LT)	2 Sets(Requirement for two Crane)
(g)	Brake springs for all brakes (both main and aux hoist, LT and Ct travel)	1 Set(Requirement for one Crane)
(h)	Wire Rope for Aux. Hook	1 No
(i)	Oil Pumps with motor & Hydraulic cylinder for operation of jaw of storm Brake	1 No. of each type & size
2	Electrical:	
i)	Solenoid Coils for Brakes	2 sets
ii)	MCBs/MCCBS/Fuse links for the whole crane	1 set
iii)	Contactors and overload Relays for Motors of the EOT	1 set of each type, size & rating
iv)	Timers of each type, size & rating	1 set
v)	Limit Switches for	
a	Main Hoist	1 set
b	Aux. Hoist	1 set
c	Cross Travel	1 set
d	Long Travel	1 set
vi)	Master Controller for Aux. Hoist	1 set each
vii)	Drive for MH,AH,CT<	1 no. of each type & rating

Notes:-

- One (1) Set is defined as 100% requirement for one crane for the entire cranes of similar size & capacity.
- All essential spares shall be supplied as per the requirement of the specifications. In case any spare indicated in the specification is not applicable for particular equipment then suitable applicable alternate spare have been offered / shall be supplied without any financial implication.