



V2-S2.1.3
Mandatory Spares List Package-A

Mandatory/commissioning Spares and Tools & Tackles

Sl. No.	Description	Quantity	Remarks
A	MECHANICAL		
1.	BELT CONVEYOR SYSTEM		
1.1.	Conveyor belt	250 Meter length conveyor belt	
1.2.	All Idlers		
	a) Carrying rollers	10% of total quantity	
	b) Return rollers	-do-	
	c) Impact rollers	-do-	
	g) Guide rollers for Carrying	-do-	
	h) Guide rollers for Return	-do-	
	j) Self-aligning carrying idler frame (35°)	2% or 3 no's whichever is higher	
	k) Self-aligning return idler frame (10°)	2% or 3 no's whichever is higher	
	l) Carrying idler frame (35°)	2% or 20 no's whichever is higher	
	m) Return idler frame (10°)	2% or 20 no's whichever is higher	
	n) Impact idler frame (35°)	2% or 10 no's whichever is higher	
	o) Transition idler frame (5°)	2% or 5 no's whichever is higher	
	p) Transition idler frame (10°)	2% or 10 no's whichever is higher	



Sl. No.	Description	Quantity	Remarks
	q) Transition idler frame (20°)	2% or 10 no's whichever is higher	
1.3.	Conveyor belt pulleys		
	a) Drive pulleys with hot rubber lagging,	1 No.	
	b) Tail pulleys with hot rubber lagging,	1 No.	Pulley design may be finalized during detailing only. The details mentioned for accounting purpose only.
	c) Snub pulleys with hot rubber lagging,	1 No.	
	d) Take-up pulleys with hot rubber lagging	1 No.	
	e) Bend pulleys with hot rubber lagging	1 No.	
	f) Pressure pulley	1 No.	In case of Common pulley in bend/tail/take-up then one no of pulley shall be considered for spare
	g) Bearings (including sleeves & nut) without Plummer blocks, 1 No. for each type and size	2 Nos. for each type of bearing size	
	h) Plummer block (Bearing housing) of each bearing type	02 Nos. for each size	
1.4.	Couplings for conveyor drive		
	a) HS & SS coupling including resilient member, cover, fasteners, and hub (i/p & o/p)	1 set for each type	
	b) Brake drum assembly suitable for HS coupling	1 No.	



Sl. No.	Description	Quantity	Remarks
	c) Fluid couplings complete Full assembly of traction type coupling including delay chamber/input and output coupling assembly	1 No	
	d) Fusible plug	5 Nos	
1.5.	<u>All Brakes</u>		
	a) Brake liners with shoes for thruster operated brakes	1 set	
	b) Springs for all brakes	1 set	
1.6.	Gear Box for Belt Conveyor		
	a) Complete gear box	1 No.	
	b) View glass/Oil level indicator	1 No	
	c) Bearings for gear box	1 set of one gearbox	
	d) oil seals (input & output)	01 Set	
	e) Hold Back of Gear box	1 each type	
2.	FEEDER BREAKER		
2.1.	Drive for Feeder Breaker		
	a) Complete gear box (Feeder)	1 No.	
	b) Breather	1 each type	
	c) View glass/Oil level indicator	1 each type	
	d) Bearings for gear boxes	1 set of each gear box	



Sl. No.	Description	Quantity	Remarks
	e) oil (input/output) seals	1 set of each gear box	
	f) Fluid coupling	1 complete set of each	
	g) Resilient coupling	1 Set	
	h) Fixed coupling	1 set	
	i) Fusible plug	5 nos. of each rating	
2.2.	Chain – Flight bar assembly		
	a) Flight bar (with holding plate, fasteners)	10% or 10 no's whichever is higher	
	b) Chain	25% of total chain length	
	c) Chain connectors	12 nos.	
	d) Bearings with sleeve (Tail sprocket)	1 set	
	e) Bearings with sleeve (Head sprocket)	1 set	
	f) Plummer Block (Tail sprocket)	1 set (LH & RH)	
	g) Picks and pick holders	5 % of total population	
3.	Tools & Tackles		
	One complete Hot Vulcanizer Machine (Hydraulic) for EP/NN conveyor belt	One set	(Hot vulcanizing machine set) suitable for 1800mm belt width conveyor