

BOQ

PROJECT DESCRIPTION: SUPPLY AND DELIVERY OF SPARES AND REFURBISHMENT OF OUTSIDE PLANT MECHANICAL PULLEYS AT MATLA POWER STATION ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF 5 YEARS

Item number	Description	Unit	Quantity	Rate	Amount
	Section 1 - Preliminaries and General				
	Adhering to all SHEQ Requirements	Sum	1		
	Sub-Total				
	Section 2 - Refurbishment of pulleys				
1.	PULLEY, CONVEYOR: TYPE: DRIVE; DRUM DIAMETER: 817 MM; DRUM WIDTH: 959 MM; MATERIAL: RUBBER/STL; SHAFT DIAMETER: 150 MM; SHAFT LENGTH: 293 MM; FACE STYLE: SMOOTH; CONVEYOR 8A AND 8B;	Each	30		
2.	PULLEY, CONVEYOR: TYPE: TAIL TAKE UP; DRUM DIAMETER: 620 MM; DRUM WIDTH: 955 MM; MATERIAL: STL; SHAFT DIAMETER: 115 MM; SHAFT LENGTH: 1.5 M; FACE STYLE: SMOOTH; FOR CONVEYORS 8A/8F	Each	30		
3.	PULLEY, CONVEYOR: TYPE: SNUB; DRUM DIAMETER: 500 MM; DRUM WIDTH: 960 MM; MATERIAL: STL; SHAFT DIAMETER: 90 MM; SHAFTLENGTH: 1.234 M; FACE STYLE: CROWN SMOOTH; DRAWING NO: 047/7538 REV 1; 047/7538 REV 2 REV 1; CROWNING OF FACE 1:100 AND BEARING CENTRES 1.14M; PULLEY FACE BEAR WITH NO RUBBER LASSING;	Each	30		
4.	PULLEY, CONVEYOR: TYPE: SHAFT; DRUM DIAMETER: 450 MM; DRUM WIDTH: 960 MM; MATERIAL: STEEL; SHAFT DIAMETER: 75 MM; SHAFT LENGTH. 1452 MM; MANUF P/N: SK141 C 1030; PARALLEL KEY 20MM:LENGTH WAY BY 2:HARDENED SCREW AT 90 DEGREES:BEARING CC 1370:FACE THICKNESS FROM 6.5 TO 12MM EDGES TO CENTRE:FITTED WITH SKF PLUMBER BLOCKS WITH SN1517 WITH SEAL END DISCS;	Each	30		
5.	PULLEY, CONVEYOR: TYPE: SNUB DRUM BEND; DRUM DIAMETER: 324 MM; DRUM WIDTH: 850 MM; MATERIAL: MS; SHAFT DIAMETER: 100 MM;STYLE: CHEVRON LAGGING;SHAFT LENGTH: 1520 MM; FACE	Each	30		
6.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 41; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER 403/3; LAGGING 8 MM BLACK DIAMOND PATTERN; POWER 4KW; VOLTAGE 400V; 3 PHASE; 50 HZ; BELT PULL: 3.04 KM; WRAP ANGLE 180 DEGREES; 8 POLE MOTOR; BELT SPEED 1.2 M/SEC WITH KL 60 MOUNTING BRACKETS;	Each	30		
7.	PULLEY, CONVEYOR: TYPE: TRIPPER BEND; DRUM DIAMETER: 675 MM; DRUM WIDTH: 960 MM; MATERIAL: STL; SHAFT DIAMETER: 90 MM; LEFT SHAFT LENGTH: 570 MM;RIGHT SHAFT LENGTH 160: FACE STYLE: SMOOTH; CONV 10A-FAND 11A-F;	Each	24		
8.	PULLEY, CONVEYOR: TYPE: DRIVE PULLEY; DRUMDIAMETER: 680 MM; DRUM WIDTH: 980 MM; MATERIAL: STL; SHAFT DIAMETER: 100 MM; SHAFT LENGTH: 160 MM; FACE STYLE: SMOOTH; CONV 10A-F TO 11A-F;	Each	24		
9.	PULLEY, WHEEL WITH 20MM GROVEE,30CM WHEEL OD:ID 20MM WITH BRASS FINISH;WHEEL MATERIAL STAINLESS	Each	Rate Only		
10.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 32; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER	Each	60		
11.	75MMSHAFT 75 MM SHAFT X 600MM LENGTH +.00/.02 MM STAINLESS STEEL 16 RMS OR BETTER FINISH AND .0007 TOLERANCE COMPATIBLE WITH OAV075MB,	Each	Rate Only		
12.	1.2M FEEDER ARMS	Each	Rate Only		
13.	MOTOR, HYDRAULIC: TYPE: PISTON; INPUT: 4310 CM3/REV; OUTPUT: 18 KNM; SPEED: 125 RPM; INLET CONNECTION SIZE: 1-1/2 IN; OUTLET CONNECTION SIZE: 1-1/2 IN; SHAFT SIZE: DIA 100 MM; APPLICATION: ROTARY FEEDER	Each	Rate Only		
14.	Oil type: SAE 10W Oil temperature: 49°C (120°F) Inlet: 0.2 bar (5 in. Hg) Case pressure — 0.35 bar (5 psig) maximum Inlet pressure — 0.2 bar (5 in. Hg) vacuum to 2 bar (30 psig)	Each	Rate Only		
15.	ST37.4, ST52.4, E235, E355, 26MnB5, 34MnB5	Each	Rate Only		
16.	BAKER B50000 SERIES PRESSURE GAUGE. 0 TO 30 PSI, 1/4 NPT BOTTOM, SS HOUSING	Each	Rate Only		
17.	TSD DYNAMIC 9,330,000 Nm/rad; RATED COUPLING TORQUE 9,800 NM.MATERIAL STEEL	Each	Rate Only		
18.	KEYLESS LOCKING ASSEMBLY RECCA06: TOLLOK TLK131, BONFIX CCE4500, CHIARAVAL LIRCK71, BEA BK71, SATI KLDB, SIT TYPE 5B,	Each	Rate Only		
19.	TOLLOK TLK200, BONFIX CCE2000, CHIARAVALLI RCK40, BEA BK40,SATI KLGG,SIT: CONEX A, MAV 2005, ITALBLOCK CN210, POGGI CAL-A, KINLOK LOK30,	Each	Rate Only		
20.	KIT: TYPE: ASSEMBLY; APPLICATION: CONVEYOR; MANUF P/N: KIT20KGT1;	Each	Rate Only		
21.	PULLEY, CONVEYOR: TYPE: DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1700 MM; MATERIAL: STEEL; SHAFT DIAMETER: 100 X 90 X 80 MM; SHAFT LENGTH: 1510 MM; FACE STYLE: DIAMOND LAGGING;	Each	Rate Only		
22.	KIT: TYPE: ASSEMBLY; APPLICATION: CONVEYOR 31; MANUF P/N: KIT40KGT1;	Each	Rate Only		

23.	PULLEY, CONVEYOR: TYPE: TAIL END; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1700 MM; MATERIAL: STEEL; SHAFT DIAMETER: 90 MM; SHAFT LENGTH: 2340 MM; FACE STYLE: DIAMOND LAGGING;	Each	30		
24.	PULLEY, CONVEYOR: TYPE: DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1700 MM; MATERIAL: STEEL; SHAFT DIAMETER: 100 X 90 X 80 MM; SHAFT LENGTH: 1510 MM; FACE STYLE: DIAMOND LAGGING;	Each	30		
25.	PULLEY, CONVEYOR: TYPE: MOTORIZED; DRUM DIAMETER: 500 MM; DRUM WIDTH: 850 MM; MATERIAL: STEEL; SHAFT DIAMETER: 65 MM; SHAFT LENGTH: 1150 MM; FACE STYLE: DIAMOND;	Each	20		
26.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 41; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER 403/3; LAGGING 8 MM BLACK DIAMOND PATTERN; POWER 4KW; VOLTAGE 400V; 3 PHASE; 50 HZ; BELT PULL: 3.04 KM; WRAP ANGLE 180 DEGREES; 8 POLE MOTOR; BELT SPEED 1.2 M/SEC WITH KL 60 MOUNTING BRACKETS;	Each	20		
27.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.35 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 31 SPECIFICATION: 400H; 4 POLE MOTOR; 11KW; 3 PHASE; SPEED 1M/SEC WITH KL 60 MOUNTING BRACKET AND 8MM BLACK RUBBER LAGGING; LAYOUT SINGLE HEAD DRIVE; MOTOR NUMBER 560/3 BELT PULL 10.45 KM; WRAP ANGLE 180 DEGREES;	Each	20		
28.	PULLEY, CONVEYOR: TYPE: BEND; DRUM DIAMETER: 323 MM; DRUM WIDTH: 850 MM; MATERIAL: STEEL; SHAFT DIAMETER: 100 MM; SHAFT LENGTH: 1490 MM; FACE STYLE: CHEVRON LAGGING;	Each	30		
29.	PULLEY, CONVEYOR: TYPE: TAIL END; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.35 M; MATERIAL: STEEL; SHAFT DIAMETER: 70 MM; SHAFT LENGTH: 1.75 M; MANUF P/N: TP400/70-1350/10; 10 MM DIAMOND LAGGING; BEARING CENTER 1.55 M;	Each	20		
	Sub-Total				
	Section 3 - Supply of pulleys				
1.	PULLEY, CONVEYOR: TYPE: DRIVE; DRUM DIAMETER: 817 MM; DRUM WIDTH: 959 MM; MATERIAL: RUBBER/STL; SHAFT DIAMETER: 150 MM; SHAFT LENGTH: 293 MM; FACE STYLE: SMOOTH; CONVEYOR 8A AND 8B;	Each	15		
2.	PULLEY, CONVEYOR: TYPE: TAIL TAKE UP; DRUM DIAMETER: 620 MM; DRUM WIDTH: 955 MM; MATERIAL: STL; SHAFT DIAMETER: 115 MM; SHAFT LENGTH: 1.5 M; FACE STYLE: SMOOTH; FOR CONVEYORS 8A/8F	Each	15		
3.	PULLEY, CONVEYOR: TYPE: SNUB; DRUM DIAMETER: 500 MM; DRUM WIDTH: 960 MM; MATERIAL: STL; SHAFT DIAMETER: 90 MM; SHAFTLENGTH: 1.234 M; FACE STYLE: CROWN SMOOTH; DRAWING NO: 047/7538 REV 1; 047/7538 REV 2 REV 1; CROWNING OF FACE 1:100 AND BEARING CENTRES 1.14M; PULLEY FACE BEAR WITH NO RUBBER LASSING;	Each	15		
4.	PULLEY, CONVEYOR: TYPE: SHAFT; DRUM DIAMETER: 450 MM; DRUM WIDTH: 960 MM; MATERIAL: STEEL; SHAFT DIAMETER: 75 MM; SHAFT LENGTH. 1452 MM; MANUF P/N: SK141 C 1030; PARALLEL KEY 20MM;LENGTH WAY BY 2:HARDENED SCREW AT 90 DEGREES:BEARING CC 1370:FACE THICKNESS FROM 6.5 TO 12MM EDGES TO CENTRE:FITTED WITH SKF PLUMBER BLOCKS WITH SN1517 WITH SEAL END DICS;	Each	15		
5.	PULLEY, CONVEYOR: TYPE: SNUB DRUM BEND; DRUM DIAMETER: 324 MM; DRUM WIDTH: 850 MM; MATERIAL: MS; SHAFT DIAMETER: 100 MM;SHAFT LENGTH: 1520 MM; FACESTYLE: CHEVRON LAGGING;	Each	15		
6.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 41; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER 403/3; LAGGING 8 MM BLACK DIAMOND PATTERN; POWER 4KW; VOLTAGE 400V; 3 PHASE; 50 HZ; BELT PULL: 3.04 KM; WRAP ANGLE 180 DEGREES; 8 POLE MOTOR; BELT SPEED 1.2 M/SEC WITH KL 60 MOUNTING BRACKETS;	Each	15		
7.	PULLEY, CONVEYOR: TYPE: TRIPPER BEND; DRUM DIAMETER: 675 MM; DRUM WIDTH: 960 MM; MATERIAL: STL; SHAFT DIAMETER: 90 MM; LEFT SHAFT LENGTH: 570 MM;RIGHT SHAFT LENGTH 160: FACE STYLE: SMOOTH; CONV 10A-FAND 11A-F;	Each	15		
8.	PULLEY, CONVEYOR: TYPE: DRIVE PULLEY; DRUMDIAMETER: 680 MM; DRUM WIDTH: 980 MM; MATERIAL: STL; SHAFT DIAMETER: 100 MM; SHAFT LENGTH: 160 MM; FACE STYLE: SMOOTH; CONV 10A-F TO 11A-F;	Each	15		
9.	PULLEY, WHEEL WITH 20MM GROVEE,30CM WHEEL OD:ID 20MM WITH BRASS FINISH;WHEEL MATERIAL STAINLESS	Each	60		
10.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 32; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER	Each	24		
11.	75MMSHAFT 75 MM SHAFT X 600 MM LENGTH + .00/.02 MM STAINLESS STEEL 16 RMS OR BETTER FINISH AND .0007 TOLERANCE COMPATIBLE WITH OAV075MB,	Each	30		
12.	1.2M FEEDER ARMS	Each	50		
13.	MOTOR, HYDRAULIC: TYPE: PISTON; INPUT: 4310 CM3/REV; OUTPUT: 18 KNM; SPEED: 125 RPM; INLET CONNECTION SIZE: 1-1/2 IN; OUTLET CONNECTION SIZE: 1-1/2 IN; SHAFT SIZE: DIA 100 MM; APPLICATION: ROTARY FEEDER	Each	30		
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15.	ST37.4, ST52.4, E235, E355, 26MnB5, 34MnB5	Each	100		

16.	BAKER B50000 SERIES PRESSURE GAUGE. 0 TO 30 PSI, 1/4NPT BOTTOM, SS HOUSING	Each	25		
17.	TSD DYNAMIC 9,330,000 Nm/rad; RATED COUPLING TORQUE 9,800 NM.MATERIAL STEEL	Each	70		
18.	KEYLESS LOCKING ASSEMBLY RECCA06: TOLLOK TLK131, BONFIX CCE4500, CHIARAVAL LIRCK71, BEA BK71, SATI KLDB, SIT TYPE 5B,	Each	40		
19.	TOLLOK TLK200, BONFIX CCE2000, CHIARAVALI RCK40, BEA BK40,SATI KLGG,SIT: CONEX A, MAV 2005, ITALBLOCK CN210, POGGI CAL-A, KINLOK LOK30,	Each	45		
20.	KIT: TYPE: ASSEMBLY; APPLICATION: CONVEYOR; MANUF P/N: KIT20KGT1;	Each	60		
21.	PULLEY, CONVEYOR: TYPE: DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1700 MM; MATERIAL: STEEL; SHAFT DIAMETER: 100 X 90 X 80 MM;SHAFT LENGTH: 1510 MM; FACE STYLE: DIAMOND LAGGING;	Each	30		
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25.	PULLEY, CONVEYOR: TYPE: MOTORIZED; DRUM DIAMETER: 500 MM; DRUM WIDTH: 850 MM; MATERIAL: STEEL; SHAFT DIAMETER: 65 MM; SHAFT LENGTH: 1150 MM; FACE STYLE: DIAMOND;	Each	12		
26.	PULLEY, CONVEYOR: TYPE: HEAD DRIVE; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.2 M; MATERIAL: MS; SHAFT DIAMETER: 45 MM; FACE STYLE: LAGGING; CONVEYOR 41; SINGLE HEAD DRIVE; 400 M; MOTOR NUMBER 403/3; LAGGING 8 MM BLACK DIAMOND PATTERN; POWER 4KW; VOLTAGE 400V; 3 PHASE; 50 HZ; BELT PULL: 3.04 KM; WRAP ANGLE 180 DEGREES; 8 POLE MOTOR; BELT SPEED 1.2 M/SEC WITH KL 60 MOUNTING BRACKETS;	Each	12		
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28.	PULLEY, CONVEYOR: TYPE: BEND; DRUM DIAMETER: 323 MM; DRUM WIDTH: 850 MM; MATERIAL: STEEL; SHAFT DIAMETER: 100 MM; SHAFT LENGTH: 1490 MM; FACE STYLE: CHEVRON LAGGING;	Each	12		
29.	PULLEY, CONVEYOR: TYPE: TAIL END; DRUM DIAMETER: 400 MM; DRUM WIDTH: 1.35 M; MATERIAL: STEEL; SHAFT DIAMETER: 70 MM; SHAFT LENGTH: 1.75 M; MANUF P/N: TP400/70-1350/10; 10 MM DIAMOND LAGGING; BEARING CENTER 1.55 M;	Each	12		
	Total Excluding Vat				

Contract Price Adjustment

Commodity and Table	Weight
Labour - SEIFSA Table C3	50%
Transport - SEIFSA Table L2(B)	5%
Consumer Price Index - SEIFSATable D4	30%
Fixed	15%
Total	100%