

ANNUAL PROCUREMENT PLAN FOR 2018-19 FOR CSF, SUKKUR

(under rule 8 and 9 of the public procurement rules 2004)

Name of the Procuring Agency

S. No	Name of procurement (description)	Quantity required	Estimated cost	Procurement method **	Tentative date of procurement notice publication	Tentative date of award of contract	Tentative date of completion	Remarks (if any)
1	2	3	4	5	6	7	8	9
1	STEEL SECTION							
1	Thread Roller(Wagnor /fette Germany)	50 sets	Rs.18,00,000	-do-	-do-	-	-	
2	Thread Roller(Wagnor /fette Germany) for large new machine.	25 sets	Rs.9,00,000	-do-	-do-	-	-	
2	PARTS FOR RN MOULDS							
1	Rubber mounting pad	50 Nos	Rs.1,24,000	-do-	-do-	-	-	
2	Teflon bush	250 Nos	Rs.90,000	-do-	-do-	-	-	
3	Bracing Bridge RN type mouldes	6 Nos	Rs.9,000	-do-	-do-	-	-	
4	MS clamp for mounting rubber pad	8 Nos	Rs.16,000	-do-	-do-	-	-	
5	Bottom wearing plate for RN type mould	24 Nos	Rs.72,000	-do-	-do-	-	-	
6	Core bar tube O/D 14-15mm	50 Nos	Rs.55,000	-do-	-do-	-	-	
7	V Belt B-52	250 Nos	Rs.87,500	-do-	-do-	-	-	
9	Tyre Tube 900-20	10 Nos	Rs.2,80,000	-do-	-do-	-	-	
10	Tyre with Tube for industrial Loader 12-11-24 (12 PLY)	3 Nos	Rs. 2,10,000	-do-	-do-	-	-	

3	PARTS FOR PRE-STRESSING MACHINE							
1	Air Impact Wrench size 1/2" model No: MI-17 (Japan)	5 Nos	Rs.1,00,000	-do-	-do-	-	-	
2	Shifting clutch gear 17 teeth	25 Nos	Rs. 41,250	-do-	-do-	-	-	
3	Spindle Clutch Gear 25 teeth	25 Nos	Rs.36,250	-do-	-do-	-	-	
4	Neutral Gear 25 teeth	25 Nos	Rs.25,000	-do-	-do-	-	-	
5	Spindle Clutch Gear 17 teeth	25 Nos	Rs.25,000	-do-	-do-	-	-	
6	Neutral Gear 17 teeth	25 Nos	Rs.26,000	-do-	-do-	-	-	
7	Eccentric screw Local	6 Nos	Rs.1,08,000	-do-	-do-	-	-	
8	Housing Liner Local	6 Nos	Rs.78,000	-do-	-do-	-	-	
9	Box Spanner with gear	125 Nos	Rs.2,50,000	-do-	-do-	-	-	
10	Laminated Clutch Plate for spindle (Outer)	125 sets	Rs.2,50,000	-do-	-do-	-	-	
11	Laminated clutch plate for box spanner (Inner)	125 sets	Rs.2,50,000	-do-	-do-	-	-	
12	Throttle Valve	1 No	Rs.90,000	-do-	-do-	-	-	
13	Pre Stressing spindle steel 10 mm dia Steel	100 Nos	Rs.27,00,000	-do-	-do-	-	-	
14	Hydraulic Hose pipe double braided with steel fitting with both end working pressure 500 bars	25 Nos	Rs.36,250	-do-	-do-	-	-	
4	TRACTOR /TROLLEY/ INDUSTRIAL LOADER PARTS							
1	Clutch Plate for MF-385 (wing type)	6 Nos	Rs.90,000	-do-	-do-	-	-	
2	Spindle Axle left side	02 Nos	Rs.12,000	-do-	-do-	-	-	
3	Spindle Axle Right side	02 Nos	Rs.12,000	-do-	-do-	-	-	
4	Pressure plate Assembly complete MF-385	02 Nos	Rs.20,000	-do-	-do-	-	-	
5	Batteries 12 volts 120 Amp Plated MF-385	02 Nos	Rs.24,000	-do-	-do-	-	-	
6	Repair overhauling of tractor engine (21 Items)	01 Job	Rs.1,20,000	-do-	-do-	-	-	

7	Labour charges of Tractor over hauling	01 Job	Rs.45,000	-do-	-do-	-	-	
8	Stairing Jack Cylinder MF-385	02 Nos	Rs.60,000	-do-	-do-	-	-	
5	BATCHING PLANT							
1	Conveyor belt for left & Right side conveyor	02 Nos	Rs.1,50,000	-do-	-do-	-	-	
2	Endless conveyor belt for concrete car	10 Nos	Rs.1,00,000	-do-	-do-	-	-	
3	V-Belt B-52	200 Nos	Rs.72,000	-do-	-do-	-	-	
4	Sand washing plant with hopper & dropping conveyor	01 No	Rs.1,50,000	-do-	-do-	-	-	
5	Flow water Gauge (water meter reset type)	01 No	Rs.1,50,000	-do-	-do-	-	-	
6	Trolley with gear motor for 5000 Kg straight going Hoist made damage Germany.	01 Set	Rs.15,00,000	-do-	-do-	-	-	
7	Trolley with gear motor for 3200 Kg Hoist made damage Germany.	02 sets	Rs.20,00,000	-do-	-do-	-	-	
8	Cement worm complete with gear motor	01 set	Rs.10,00,000	-do-	-do-	-	-	
6	BEARINGS							
1	Ball Bearing 6204	100 Nos	Rs.1,30,000	-do-	-do-	-	-	
2	Ball Bearing 6205	30 Nos	Rs.6,000	-do-	-do-	-	-	
3	Ball Bearing 6207	25 Nos	Rs.30,000	-do-	-do-	-	-	
4	Ball Bearing 6308	20 Nos	Rs.28,000	-do-	-do-	-	-	
5	Ball Bearing 6307	30 Nos	Rs.60,000	-do-	-do-	-	-	

6	Ball Bearing 6309	20 Nos	Rs.24,000	-do-	-do-	-	-	
7	Ball Bearing 6206	50 Nos	Rs.80,000	-do-	-do-	-	-	
8	Bearing LR 5205	5 Nos	Rs.9,250	-do-	-do-	-	-	
9	Bearing DR 3202	5 Nos	Rs.10,000	-do-	-do-	-	-	
10	Bearing LR 6202	50 Nos	Rs.80,000	-do-	-do-	-	-	
11	Bearing LR 203	50 Nos	Rs.75,000	-do-	-do-	-	-	
7	MISC. MATERIAL							
1	Steel wire rope 7 mm (6x37) hump core	250 Mtrs	Rs.27,250	-do-	-do-	-	-	
2	Steel wire rope 10 mm (6x37) hump core	100 Mtrs	Rs.13,000	-do-	-do-	-	-	
3	Steel wire rope 14 mm (6x37) hump core	100 Mtrs	Rs.17,000	-do-	-do-	-	-	
4	Belt Fastener 65 Nos	10 Pkt	Rs.11,000	-do-	-do-	-	-	
5	Belt Fastener 45 Nos	10 Pkt	Rs.9,000	-do-	-do-	-	-	
6	Cutting Disc 9"x1 1/8"	500 Nos	Rs.5,25,000	-do-	-do-	-	-	
7	Overhauling of outside gantry crane	1 Job	Rs.35,00,000	-do-	-do-	-	-	
8	M.S channel (ASTM-36) 29'-6'x 8" x 3" x 10 mm	04 Nos	Rs.90,000	-do-	-do-	-	-	

8	PART OF DIESEL GENERATOR							
1	Air filter elements	02 Nos	Rs.4,000	-do-	-do-	-	-	
2	Lub oil filter Ch 10929	04 Nos	Rs.13,400	-do-	-do-	-	-	
3	Diesel Filer (Primary) Ch-10930	04 Nos	Rs.13,200	-do-	-do-	-	-	
4	Diesel Filter (secondary) Ch -10931	04 Nos	Rs.13,400	-do-	-do-	-	-	
5	Chain Pully block Capacity 3 ton 20ft chain	01 No	Rs.5,800	-do-	-do-	-	-	
6	Chain Pully block 2ton Cap 20 ft chain	01 No	Rs.3,500	-do-	-do-	-	-	
7	Turn Table	09 Nos	Rs.18,00,000	-do-	-do-	-	-	
8	Eight Sleepers Sling for transportation	04 Nos	Rs.20,00,000	-do-	-do-	-	-	

XEN/CSF

ANNUAL PROCUREMENT PLAN FOR 2018-19

(Under Rule 8 and 9 of the Public Procurement Rules 2004)

Name of the procuring Agency: **Managing Director/CSF, Pakistan Railways, Headquarters Office, Lahore.**

Mechanical Spare Parts required at CSF/Khanewal * procurement would be made subject to availability of funds.

1	2	3	4	5	6	7	8	9
S. No.	Description of material	Requirement*	Estimated cost (Million)	Procurement method	Tentative date of procurement notice publication	Tentative date of award of contract	Tentative date of completion	Remarks (if any)
1	SCRAPER MACHINE FOR AGGREGATE (BATCHING PLANT)							
1	Manufacturing of bucket (As per sample)	01 No.	Rs.45,000/-	-do-	-do-	-	-	New demand
2	MIXING/BATCHING PLANT							
1	V-Belt A-60	18 Nos.	Rs.7500/-	-do-	-do-	-	-	
2	Conveyor belt endless 3 Ply Nylon (27500x650x9 to 10mm)	01 No.	Rs.82,000/-	-do-	-do-	-	-	
3	Return Roller (600 x 80mm)	10 Nos.	Rs.30,000/-	-do-	-do-	-	-	
4	Return Roller Spring type (A.P.S)	02 Nos.	Rs.36,000/-	-do-	-do-	-	-	
5	Carrying Roller size 315 x 80mm APS	10 Nos.	Rs.25,000/-	-do-	-do-	-	-	
6	Solenoid Valve 24V DC	03 Nos.	Rs.48,000/-	-do-	-do-	-	-	
7	Reducing Gear Box for conveyor belt/Geared Motor	01 No.	Rs.55,000/-	-do-	-do-	-	-	
8	Side wearing plates 1/2" thick APS	06 Nos.	Rs.80,000/-	-do-	-do-	-	-	
9	Mixing shovel	48 Nos	Rs.80,000/-	-do-	-do-	-	-	
10	Bottom Wearing plates 1/2" thick APS	18 Nos.	Rs.1,08,000/-	-do-	-do-	-	-	

3 VIBRATING TABLE								
1	Special bolt (ASP)for new design vossloh sleeper moulds	216 Nos.	Rs.1,00,000/-	-do-	-do-	-	-	
2	Top wearing plate complete with top small plate	16 Nos.	Rs.1,95,000/-	-do-	-do-	-	-	
3	CSK allen key bolt (12x50mm) with nut and spring washer	384 Nos.	Rs.10,000/-	-do-	-do-	-	-	
4	Seal Kit for Hyd: Jack	12 Kits.	Rs.46,000/-	-do-	-do-	-	-	
5	Hex Head Bolt with nut with spring washer (16x75mm)	250 Nos.	Rs.50,000/-	-do-	-do-	-	-	
6	Hex Head Bolt with nut with spring washer (16X100mm)	250 Nos.	Rs.30,000/-	-do-	-do-	-	-	
7	Central axle (A.P.S)	32 Nos.	Rs.1,78,000/-	-do-	-do-	-	-	
8	RubberConveyor belt endless 3 Ply Nylon (200x300x10mm)	08 Nos.	Rs.58,300/-	-do-	-do-	-	-	
9	Rubber mounting pad	16 Nos.	Rs.39,200/-	-do-	-do-	-	-	
10	Holding Part internal (A.P.S)	12 Nos.	Rs.16,000/-	-do-	-do-	-	-	
11	Holding Part External (A.P.S)	12 Nos.	Rs.16,000/-	-do-	-do-	-	-	
12	Steel wire rope size 16mm	1230 ft	Rs.1,10,700/-	-do-	-do-	-	-	
13	Clamping Jaws (Right Side)	16 Nos.	Rs.3,20,000/-	-do-	-do-	-	-	
14	Clamping Jaws (Left Side)	16 Nos.	Rs.3,20,000/-	-do-	-do-	-	-	
15	Teflon Bush	150 Nos.	Rs.54,000/-	-do-	-do-	-	-	
16	Rubber foundation	25 Nos.	Rs.12,500/-	-do-	-do-	-	-	
17	Air Impact Wrench YOUKOHAMA	06 Nos.	Rs.1,17,000/-	-do-	-do-	-	-	

4	FLAT TRUCK, DEMOULDING TRUCK, EMPTY MOULD TRUCK							
1	Repair of Empty Mould Truck for vibrating table	01 No.	Rs.80,000/-	-do-	-do-	-	-	
5	YELLOW CROSS BEAM							
1	Repair/Renovation of yellow cross beam for shifting of 8 Nos. vossloh sleepers	01 job	Rs.1,00,000/-	-do-	-do-	-	-	
2	Repair/Renovation of yellow cross beam for shifting of 8 Nos. PSC sleepers.	01 Job	Rs.1,00,000/-	-do-	-do-	-	-	
3	Synthetic Mapa Rubber Block	75 Nos.	Rs.52,500/-	-do-	-do-	-	-	
6	THREADING MACHINE							
1	Solenoid valve AC 9500 complete with coil voltage DC 220V Univer, Italy	04 Nos.	Rs.48,000/-	-do-	-do-	-	-	
2	Pneumatic cylinder small (A.P.S)	02 Nos.	Rs.36,000/-	-do-	-do-	-	-	
3	Pneumatic cylinder large (A.P.S)	02 Nos.	Rs.34,000/-	-do-	-do-	-	-	
4	Thread Roller (Imported)	50 Sets	Rs.18,00,000/-	-do-	-do-	-	-	
5	Repair / Renovation of old threading machine complete	01 Job	Rs.1,00,000/-	-do-	-do-	-	-	
6	Cutting Disc Size 14" x 1/8" for maintenance of machinery	25 Nos	25,000/-	-do-	-do-	-	-	
7	Hydraulic Jack 5 Ton Capacity	01 Nos	10,000/-	-do-	-do-	-	-	
8	Hydraulic Jack 10 Ton Capacity	01 Nos	18,000/-	-do-	-do-	-	-	
10	Gun metal Round Solid bar dia 2 " length 12"	5 Nos	37,500/-	-do-	-do-	-	-	
11	Adopter Sleeve (as per sample) for prestressing	48 Nos	14,400/-	-do-	-do-	-	-	

8 TRACTOR MF-385								
1	Advancer of fuel pump for tractor Mf-385	02 sets.	Rs.22,000/-					
2	Liner blade of fuel pump for tractor Mf-385	02 sets.	Rs.22,000/-					
3	Roller shoe of fuel pump for tractor MF-385	02 sets.	Rs.22,000/-					
4	Tie Rod end complete for tractor MF-385	6 Nos.	Rs.16,500/-					
5	Repair of Hydraulic tipping trolley for tractor MF-385, No.kwc-7131	01 job	Rs.33,000/-					
6	Rpair/General Overhauling of Engine of ford Tractor-3600	01 job	Rs.33,000/-					
7	Tyre with tube for Suzuki van LOU-8054	04 Nos.	Rs.22,000/-					
8	Water body complete for tractor MF-385	02 Nos.	Rs.22,000/-					
9	Automizer Nozel for tractor MF-385	02 Nos.	Rs.16,500/-					
10	Ball bearing No.6209 zz NTN japan	12 Nos.	Rs.16,500/-					
11	Ball bearing No.6207 zz NTN japan	12 Nos.	Rs.16,500/-					
12	Tyre with tube size 12.4.24,12 ply rating for tractors Mf-385	02 Nos.	Rs.1,60,000/-					
13	Hydraulic Hose pipe with fitting on both end (as per sample) for tractors MF-385	6 Nos.	Rs.36,000/-					
14	Large Hydraulic hose pipe with fitting on both end (as per sample) for tractors Mf-385	03 Nos.	Rs.12,000/-					

15	Head Rotor of fuel pump genuine	02 Nos.	Rs.22,000/-	-do-	-do-	-	-	
16	End plate of fuel pump	02 Nos.	Rs.22,000/-	-do-	-do-	-	-	
17	Clutch plate complete with pressure plate, Fly wheel & fly ring ect for tractor MF-385	02 Sets.	Rs.26,000/-	-do-	-do-	-	-	
18	Heavy Duty Batteries 12 Volts	3 Nos.	Rs.36,000/-	-do-	-do-	-	-	
9	PRESTRESSING MACHINE							
1	Universal joint external double size ½" (A.P.S)	50 Nos.	Rs.18,250/-	-do-	-do-	-	-	
2	Universal Joint internal single ½" (A.P.S)	50 Nos.	Rs.8,500/-	-do-	-do-	-	-	
3	Eccentric pump consisting of housing liner & eccentric screw (local)	6+6=12 .set	Rs.3,96,000/-	-do-	-do-	-	-	
4	Face plate for PSC sleeper	01 No	Rs.30,000/-					
5	Face plate for vossloh sleeper	01 No.	Rs.30,000/-					
6	Hydraulic Hose double wire braided complete with steel fitting on both ends working pressure 500 Bar (small)	24 Nos.	Rs.65,000/-	-do-	-do-	-	-	
7	Hydraulic Hose double wire braided complete with steel fitting on both ends, working pressure 500 Bar (large)	12 Nos.	Rs.20,000/-	-do-	-do-	-	-	
8	Screw type Safety valve working pressure 600 Bar HAWE Germany	01 No.	Rs.1,00,000/-	-do-	-do-	-	-	
9	Stressing Spindle 10.8x1.5 lenth 380mm (imported)	150 Nos.	Rs. 40,50,000/-	-do-	-do-	-	-	
10	Stressing Spindle 10.8x1.5 lenth 380mm (Local)	100 Nos.	Rs.2,03,000/-	-do-	-do-	-	-	

11	Three way valve brass ((A.P.S)	01 No.	Rs.20,000/-	-do-	-do-	-	-	
12	Spur Gear 33 Teeth	15 Nos.	Rs.18,000/-	-do-	-do-	-	-	
13	Pressure valve (as per sampel)	01 No.	Rs.75,000					
14	Throttle Valve	03 Nos.	Rs.1,50,000/-	-do-	-do-	-	-	
15	Control vave (HAWE 3803,327471,01,V1,NGK)with magnetic coil for prestressing machine	02 Nos.	Rs.1,00,000/-	-do-	-do-	-	-	
16	Clutch Sleeve Shaft (Drive Shaft)	15 Nos.	Rs.21,000/-	-do-	-do-	-	-	
17	Main Dial Gauge 0 to 600 bar	03 Nos.	Rs.60,000/-	-do-	-do-	-	-	
18	Helical Gear dia 78mm Teeth-47 APS	12 Nos.	Rs.48,000/-	-do-	-do-	-	-	
19	Helical Gear dia 21mm teeth-10 APS	12 Nos.	Rs.24,000/-	-do-	-do-	-	-	
20	Ball Bearing No.6310 SKF for outside gantry crane	25 Nos.	Rs.55,000/-	-do-	-do-	-	-	
21	Air impact wrench model DRS95, 1/2" brand Metaba made in Taiwan	06 Nos.	Rs. 1,20,000/-	-do-	-do-	-	-	
15	COMPRESSOR							
1	Spare Parts of Compressor S-29, (A.P.S)	01 Job	Rs.4,00,000/-	-do-	-do-	-	-	
2	Spare Parts of Compressor S-100 Boge	01 Job	Rs.4,00,000/-	-do-	-do-	-	-	
3	Oil sperator part No.575000105 for boge air compressor S-29	01 No.	Rs.70,000/-	-do-	-do-	-	-	
4	Oil Cooler for boge Air Compressor S-100	01 No.	Rs.1,00,000/-	-do-	-do-	-	-	
5	Air Cooler for boge Air Compressor S-100	01 No.	Rs.2,00,000/-	-do-	-do-	-	-	
6	Supply, Installation and dismantling of existing Mono Rail Girders (Table No. 2)	01 Job.	Rs.90,00,000/-	-do-	-do-	-	-	

16 Outside Gantry Crane & Hoist								
1	Short travelling penion gear with drive shaft 1 Set= 4 Nos.	25 Sets	Rs.1,00,000/-	-do-	-do-	-	-	
2	Main Travelling Wheel	06 Nos.	Rs.48,000/-	-do-	-do-	-	-	
3	Outside Gantry long travelling main wheel	06 Nos.	Rs.1,18,000/-	-do-	-do-	-	-	
4	Drive shaft with helical gears complete set shifting	069 Sets	Rs.45,000/-	-do-	-do-	-	-	
5	Drive shaft with helical gears complete set Outside	02 Set	Rs.30,000/-	-do-	-do-	-	-	
6	Manufacturing of Wheel for distributor	02 Nos	Rs.16,000/-	-do-	-do-	-	-	
7	Repair of Electric Hoist 05 Ton Capacity	01 Job	Rs.3,00,000/-	-do-	-do-	-	-	
8	Repair of Gear Box of Electric Hoist 05 Ton Capacity	01 No.	Rs.1,20,000/-	-do-	-do-	-	-	

11	Plain Wheel for new Electric Hoist 05 Ton Capacity	6 Nos.	Rs.50,000/-	-do-	-do-	-	-	
12	Spur Gear large 72 Teeth for HMC Crane	03 Nos.	Rs.40,000/-	-do-	-do-	-	-	
13	Welding Electrodes (SWG 8 & 10)	300 Kgs.	Rs.35,000/-	-do-	-do-	-	-	

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ANNUAL PROCUREMENT PLAN FOR 2018-19

(under Rule 8 and 9 of the Public Procurement Rules 2004)

Name of the procuring Agency: Managing Director/CSF, Pakistan Railways, Headquarters Office, Lahore.

Mechanical Spare Parts required at CSF/Kohat Cantt * procurement would be made subject to availability of funds.

1	2	3	4	5	6	7	8	9
S. No.	Description of material	Requirement*	Estimated cost (Million)	Procurement method	Tentative date of procurement notice publication	Tentative date of award of contract	Tentative date of completion	Remarks (if any)
1	BATCHING PLANT							
1	Water Meter (Reset type) for concrete mixture	1 Nos.	Rs.150,000/-	-do-	-do-	-	-	
2	CEMENT SILO							
1	Oil seal 35x62x10	50 Nos.	Rs.3,000/-	-do-	-do-	-	-	
2	Oil seal 35x54x10	50 Nos.	Rs.3,000/-	-do-	-do-	-	-	
3	MOULDING MACHINE.							
1	Rubber shock absorber with plate and nut bolt on both ends for moulding machine (A.P.S)	25 Nos.	Rs.15,000/-	-do-	-do-	-	-	
2	Hydraulic Jack Heavy duty 3 ton capacity (A.P.S) for moulding machines.	4 Nos.	Rs.82,500/-	-do-	-do-	-	-	
3	Tension Spring for Moulding machine.	06 Nos.	Rs.6,000/-	-do-	-do-	-	-	

4	Seal washer kit for Hydraulic Jack (A.P.S) (1 Set = 08 Nos).	30 Sets.	Rs.30,000/-	-do-	-do-	-	-	
5	Spray Gun	6 Nos.	Rs.6,000/-	-do-	-do-	-	-	
4	PRESS WELDING MACHINE FOR TOP GRID.							
1	Copper Welding Electrodes for Top Grids Press Welding Machine, (As per sample).	2 Set	Rs.20,000/-	-do-	-do-	-	-	
2	Copper Welding Electrodes Holder for Top Grids Welding Machine, (As per sample).	2 Set	Rs.30,000/-	-do-	-do-	-	-	
5	PRESS WELDING MACHINE FOR BOTTOM GRID.							
1	Copper Welding Electrodes for Bottom Grids Press Welding Machine, (As per sample).	2 Set	Rs.20,000/-	-do-	-do-	-	-	
2	Copper Welding Electrodes Holder for Bottom Grids Welding Machine, (As per sample).	2 Set	Rs.30,000/-	-do-	-do-	-	-	
6	SPOT WELDING MACHINE.							
1	Copper Welding Electrodes	12 Sets.	Rs.80,000/-	-do-	-do-	-	-	
7	SPRING MACHINE							
1	Spur Gear for spring machine.	4 Nos.	Rs.8,750/-	-do-	-do-	-	-	
2	Coolent lifting pump with tank and accessories complete.	1 No.	Rs.60,000/-	-do-	-do-	-	-	
3	Spiral making shell with cover.	1 No.	Rs.50,000/-	-do-	-do-	-	-	
8	RAW MATERIAL.							
1	Brass bars 2 1/2"	25 Kgs.	Rs.25,000/-	-do-	-do-	-	-	
2	Brass bars 2"	25 Kgs.	Rs.25,000/-	-do-	-do-	-	-	

ANNUAL PROCUREMENT PLAN FOR FINANCIAL YEAR 2018-19 FOR ALL CSFs.

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Approx: Unit Cost	Total Cost
1	Auxiliary Block 3RH 1921 1DA11 2 N/O 2 N/C Siemens.	Nil	Nil	25 Nos.	25 Nos.	Rs.2000/-	Rs. 50,000/-
2	Ball Bear 6209 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.5000/-	Rs.30,000/-
	Bus Bar Holders DKK Type. As per sample	Nil	100 Nos.	100 Nos.	200 Nos.	Rs.5,000/-	Rs.10,00,000/-
	Bearing 6202 ZZ SKF	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.500/-	Rs.37,500/-
	Bearing 6204 ZZ SKF	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.650/-	Rs.23,400/-
	Bearing 6203 ZZ SKF	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.600/-	Rs.21,600/-
	Bearing 6212-B SKF	Nil	05 Nos.	Nil	05 Nos.	Rs.3000/-	Rs.15,000/-
	Ball Bear 6215 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.3500/-	Rs.21,000/-
	Ball Bear 6304 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.800/-	Rs.4,800/-
	Ball Bear 6309 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.3000/-	Rs.18,000/-
	Break Leather Ring for Weight Lifting Motor for Gantry.	12 Nos.	Nil	Nil	12 Nos.	Rs.10,000/-	Rs.1,20,000/-
	Brake Lining Ring for 5 Tons Hoist Complete	Nil	25 Nos.	Nil	25 Nos.	Rs.8000/-	Rs.2,00,000/-
3	Cable 12 core flexible rubber insulated 4 mm	Nil	Nil	100 Mtr.	100 Mtr.	Rs.800/-	Rs.80,000/-
	Cable 16 core 1.5 mm flexible PVC insulated.	100 Mtr	Nil	Nil	100 Mtr.	Rs.900/-	Rs.90,000/-
	Cable 4 core flexible rubber insulated 10 mm	50 Mtr	Nil	300 Mtr.	350 Mtr.	Rs.700/-	Rs.2,45,000/-
	Cable 4 core flexible rubber insulated 4 mm	150 Mtr	50 Mtr.	200 Mtr.	400 Mtr.	Rs.460/-	Rs.1,84,000/-
	Cable 7 core flexible rubber insulated 2.5 mm Flat.	100 Mtr	Nil	250 Mtr.	350 Mtr.	Rs.700/-	Rs.2,45,000/-
	Cable 12 core flexible rubber insulated 2.5 mm Flat	100 Mtr	Nil	250 Mtr.	350 Mtr.	Rs.900/-	Rs.3,15,000/-
	Cable 4 core flexible rubber insulated 6 mm	200 Mtr	50 Mtr.	300 Mtr.	550 Mtr.	Rs.600/-	Rs.3,30,000/-
	Circuit Breaker 3RV 1011- 1EAI 2.8 to 4 Amps	06 Nos.	06 Nos.	12 Nos.	24 Nos.	Rs.7,000/-	Rs.1,68,000/-
	Circuit Breaker 3RV 1011-1FAI 3.5 to 5 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.7,000/-	Rs.1,26,000/-
	Circuit Breaker 3RV 1021-1KAI 9 to 12.5 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.9,500/-	Rs.1,71,000/-
	Circuit Breaker 3RV 1031-4EAI0 22 to 32 Amps	06 Nos.	06 Nos.	12 Nos.	24 Nos.	Rs.11,000/-	Rs.2,64,000/-
	Circuit Breaker 3RV 1031-4HA10 40 to 50 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.17,000/-	Rs.3,06,000/-
	Circuit Breaker 3RV 1011-1GA10 4.5 to 6.3 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.6,000/-	Rs.1,08,000/-
	Circuit Breaker 3RV 1011-1HA10 5.5 to 8 Amps	06 Nos.	04 Nos.	12 Nos.	22 Nos.	Rs.8,000/-	Rs.1,76,000/-
	Circuit Breaker 3RV 1021 4AA10 11 to 16 Amps	06 Nos.	Nil	09 Nos.	15 Nos.	Rs.9,000/-	Rs.1,35,000/-
	Circuit Breaker 3 Phase 250 Amps	Nil	05 Nos.	Nil	05 Nos.	Rs.9,500/-	Rs.47,500/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
	Coupling for 1600 Kg Hoist As per Sample.	Nil	10 Nos.	Nil	10 Nos.	Rs.5000/-	Rs.50,000/-
	Coupling for 5000 Kg Hoist As per Sample.	Nil	10 Nos.	Nil	10 Nos.	Rs.6500/-	Rs.65,000/-
4	Double Speed Push Button	Nil	12 Nos.	Nil	12 Nos.	Rs.1000/-	Rs.12,000/-
5	Energy Saver 85 W thread type Philips.	25 Nos.	Nil	Nil	25 Nos.	Rs.1200	Rs.30,000/-
	External Vibrator with base plate & PIN ARFN 0814500.	03 Nos.	Nil	Nil	03 Nos.	Rs.3,50,000/-	Rs.10,50,000/-
	Emergency Push Button Simple / Box Type.	06 Nos.	12 Nos.	09 Nos.	27 Nos.	Rs.770/-	Rs.20,790/-
6	Foot switch double insulator XPE-A 110	03 Nos.	Nil	Nil	03 Nos.	Rs.14,000/-	Rs.42,000/-
	Flexible Copper Contact as per sample	50 Nos.	Nil	Nil	50 Nos.	Rs.17,000/-	Rs.8,50,000/-
	Frequency Converter 50 HZ/42/200 or equivalent	03 Nos.	Nil	Nil	03 Nos.	Rs.10, 00,000/-	Rs.60,00,000/-
7	HPMV lamps 400 W with chock	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.2,500/-	Rs.1,87,500/-
	HPMV lamps 125 W with chock	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.1,700/-	Rs.1,27,500/-
	HTS Bolts 16 x 160 mm	Nil	100 Nos.	Nil	100 Nos.	Rs.150/-	Rs.15,000/-
8	Joystick controller 4 directional XKB-A1233.	03 Nos.	03 Nos.	Nil	06 Nos.	Rs.42,000/-	Rs.2,52,000/-
	Inverter LENZE for Vibrating Table.	Nil	01 Nos.	01 Nos.	02 Nos.	Rs.8,00,000/-	Rs.16,00,000/-
9	Limit switch type XCK M 115	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Limit switch type XCK J 10511	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit switch type XCK J 10541	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit switch type XCK M 121	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 110	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 102	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 10559	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Limit Switch Omron 2 N/C 2 N/O	05 Nos.	06 Nos.	05 Nos.	16 Nos.	Rs.2,000/-	Rs. 32,000/-
	Load Cell	02 Nos.	02 Nos.	02 Nos.	06 Nos.	Rs.65,000	Rs.3,90,000/-
	Logo 230 RC	Nil	Nil	03 Nos.	03 Nos.	Rs.15,000/-	Rs.45,000/-
10	Main Switch three phase panel type Fico 200 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.11,000/-	Rs.33,000/-
	Main Switch three phase panel type Fico 300 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.14,000/-	Rs.42,000/-
	Main Switch three phase Fico 100 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.10,000/-	Rs.30,000/-
	Motor rewinding off capacities as and when required	off capacities	off capacities	off capacities	off capacities	Rs.3,00,000/-	Rs. 3,00,000/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
	Metal Limit Switch XCK M 110	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Metal Limit Switch XCK M 102	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Magnet Contactor 3RT 1015 with auxiliary contact 220V Siemens.	Nil	Nil	12 Nos.	12 Nos.	Rs.3,000/-	Rs.36,000/-
	Magnet Contactor 3RT 1024 Siemens 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.3,000/-	Rs.36,000/-
	Magnet Contactor 3RT 1034 with auxiliary contact 220V Siemens.	Nil	Nil	12 Nos.	12 Nos.	Rs.7,000/-	Rs.84,000/-
	Magnet Contactor 3RT 1035 Siemens. 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.10,000/-	Rs. 1,20,000/-
	Magnet Contactor 3RT 1036 Siemens. 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.10,000/-	Rs1,20,000/-
	Magnet Contactor 3RT 1038 Siemens 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.15,000/-	Rs.1,80,000/-
	Magnet Contactor 3RT 1044 440V Siemens.	12 Nos.	10 Nos.	12 Nos.	34 Nos.	Rs.15,000/-	Rs.5,10,000/-
	Magnet Contactor 3RT 1045 with auxiliary contact 220V Siemens.	Nil	12 Nos.	12 Nos.	24 Nos.	Rs.20,000/-	Rs.4,80,000/-
	Magnet Contactor LC1-D4011 coil volts 48 AC or LC1-D40.	06 Nos.	Nil	Nil	06 Nos.	Rs.18,000/-	Rs.1,08,000/-
	Magnet Contactor LC2-D253 coil volts 48 AC or LC2-D50.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LC2-D123 coil volts 48 AC or LC2-D12,.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LC2-D169 coil volts 48 AC or LC2-D18.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LS 77 Coil Volts 220 V AEG	Nil	03 Nos.	Nil	03 Nos.	Rs.11,000/-	Rs.33,000/-
	Manual Motor Starter 3RV1021	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.10,000/-	Rs.60,000/-
	Manual Motor Starter 3RV1421	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Manual Motor Starter 3RV1031	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.20,000/-	Rs.1,20,000/-
	Micro Limit Switch for Flash Butt Welding Plant	Nil	Nil	06 Nos.	06 Nos.	Rs.2,500/-	Rs. 15,000/-
11	Push button green & red	37 Nos.	Nil	Nil	37 Nos.	Rs.1,100/-	Rs.40,700/-
	Pendent control station.	03 Nos.	05 Nos.	06 Nos.	14 Nos.	Rs.18,000/-	Rs.2,52,000/-
	Power Contactor Green FC-80	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.10,000/-	Rs.60,000/-
12	Roller Bearing 2205 E FAG Japan.	06 Nos.	Nil	Nil	06 Nos.	Rs.3,700/-	Rs.22,200/-
	Roller Bearing NU 203 Japan.	Nil	12 Nos.	Nil	12 Nos.	Rs.2,200/-	Rs.26,400/-
13	Selector Switch.	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.750/-	Rs.27,000/-
	Sensor Type 3RG 4141	Nil	06 Nos.	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Sensor Type 3RG 4031	Nil	06 Nos.	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Sensor CAD-STP-100-0074	Nil	Nil	02 Nos.	02 Nos.	Rs.37,000/-	Rs.74,000/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
14	Time relay with base 1 sec to 260 hours type/model No.	06 Nos.	05 Nos.	06 Nos.	17 Nos.	Rs.2,700/-	Rs.45,900/-
	Timer SK4 complete.	06 Nos.	Nil	06 Nos.	12 Nos.	Rs.3,500/-	Rs.42,000/-
	Trolley for flat Cable Moving	25 Nos.	50 Nos,	50 Nos.	125 Nos.	Rs.2,500/-	Rs.3,12,500/-
15	XSP inductive proximity switches XSB-C10710 48 Volts.	03 Nos.	Nil	Nil	03 Nos.	Rs.15,000/-	Rs.45,000/-
TOTAL							

XEN/CSF

ANNUAL PROCUREMENT PLAN FOR FINANCIAL YEAR 2018-19 FOR ALL CSFs.

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Approx: Unit Cost	Total Cost
1	Auxiliary Block 3RH 1921 1DA11 2 N/O 2 N/C Siemens.	Nil	Nil	25 Nos.	25 Nos.	Rs.2000/-	Rs. 50,000/-
2	Ball Bear 6209 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.5000/-	Rs.30,000/-
	Bus Bar Holders DKK Type. As per sample	Nil	100 Nos.	100 Nos.	200 Nos.	Rs.5,000/-	Rs.10,00,000/-
	Bearing 6202 ZZ SKF	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.500/-	Rs.37,500/-
	Bearing 6204 ZZ SKF	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.650/-	Rs.23,400/-
	Bearing 6203 ZZ SKF	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.600/-	Rs.21,600/-
	Bearing 6212-B SKF	Nil	05 Nos.	Nil	05 Nos.	Rs.3000/-	Rs.15,000/-
	Ball Bear 6215 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.3500/-	Rs.21,000/-
	Ball Bear 6304 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.800/-	Rs.4,800/-
	Ball Bear 6309 ZZ NTN Japan	06 Nos.	Nil	Nil	06 Nos.	Rs.3000/-	Rs.18,000/-
	Break Leather Ring for Weight Lifting Motor for Gantry.	12 Nos.	Nil	Nil	12 Nos.	Rs.10,000/-	Rs.1,20,000/-
	Brake Lining Ring for 5 Tons Hoist Complete	Nil	25 Nos.	Nil	25 Nos.	Rs.8000/-	Rs.2,00,000/-
3	Cable 12 core flexible rubber insulated 4 mm	Nil	Nil	100 Mtr.	100 Mtr.	Rs.800/-	Rs.80,000/-
	Cable 16 core 1.5 mm flexible PVC insulated.	100 Mtr	Nil	Nil	100 Mtr.	Rs.900/-	Rs.90,000/-
	Cable 4 core flexible rubber insulated 10 mm	50 Mtr	Nil	300 Mtr.	350 Mtr.	Rs.700/-	Rs.2,45,000/-
	Cable 4 core flexible rubber insulated 4 mm	150 Mtr	50 Mtr.	200 Mtr.	400 Mtr.	Rs.460/-	Rs.1,84,000/-
	Cable 7 core flexible rubber insulated 2.5 mm Flat.	100 Mtr	Nil	250 Mtr.	350 Mtr.	Rs.700/-	Rs.2,45,000/-
	Cable 12 core flexible rubber insulated 2.5 mm Flat	100 Mtr	Nil	250 Mtr.	350 Mtr.	Rs.900/-	Rs.3,15,000/-
	Cable 4 core flexible rubber insulated 6 mm	200 Mtr	50 Mtr.	300 Mtr.	550 Mtr.	Rs.600/-	Rs.3,30,000/-
	Circuit Breaker 3RV 1011- 1EAI 2.8 to 4 Amps	06 Nos.	06 Nos.	12 Nos.	24 Nos.	Rs.7,000/-	Rs.1,68,000/-
	Circuit Breaker 3RV 1011-1FAI 3.5 to 5 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.7,000/-	Rs.1,26,000/-
	Circuit Breaker 3RV 1021-1KAI 9 to 12.5 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.9,500/-	Rs.1,71,000/-
	Circuit Breaker 3RV 1031-4EAI0 22 to 32 Amps	06 Nos.	06 Nos.	12 Nos.	24 Nos.	Rs.11,000/-	Rs.2,64,000/-
	Circuit Breaker 3RV 1031-4HA10 40 to 50 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.17,000/-	Rs.3,06,000/-
	Circuit Breaker 3RV 1011-1GA10 4.5 to 6.3 Amps	06 Nos.	Nil	12 Nos.	18 Nos.	Rs.6,000/-	Rs.1,08,000/-
	Circuit Breaker 3RV 1011-1HA10 5.5 to 8 Amps	06 Nos.	04 Nos.	12 Nos.	22 Nos.	Rs.8,000/-	Rs.1,76,000/-
	Circuit Breaker 3RV 1021 4AA10 11 to 16 Amps	06 Nos.	Nil	09 Nos.	15 Nos.	Rs.9,000/-	Rs.1,35,000/-
	Circuit Breaker 3 Phase 250 Amps	Nil	05 Nos.	Nil	05 Nos.	Rs.9,500/-	Rs.47,500/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
	Coupling for 1600 Kg Hoist As per Sample.	Nil	10 Nos.	Nil	10 Nos.	Rs.5000/-	Rs.50,000/-
	Coupling for 5000 Kg Hoist As per Sample.	Nil	10 Nos.	Nil	10 Nos.	Rs.6500/-	Rs.65,000/-
4	Double Speed Push Button	Nil	12 Nos.	Nil	12 Nos.	Rs.1000/-	Rs.12,000/-
5	Energy Saver 85 W thread type Philips.	25 Nos.	Nil	Nil	25 Nos.	Rs.1200	Rs.30,000/-
	External Vibrator with base plate & PIN ARFN 0814500.	03 Nos.	Nil	Nil	03 Nos.	Rs.3,50,000/-	Rs.10,50,000/-
	Emergency Push Button Simple / Box Type.	06 Nos.	12 Nos.	09 Nos.	27 Nos.	Rs.770/-	Rs.20,790/-
6	Foot switch double insulator XPE-A 110	03 Nos.	Nil	Nil	03 Nos.	Rs.14,000/-	Rs.42,000/-
	Flexible Copper Contact as per sample	50 Nos.	Nil	Nil	50 Nos.	Rs.17,000/-	Rs.8,50,000/-
	Frequency Converter 50 HZ/42/200 or equivalent	03 Nos.	Nil	Nil	03 Nos.	Rs.10, 00,000/-	Rs.60,00,000/-
7	HPMV lamps 400 W with chock	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.2,500/-	Rs.1,87,500/-
	HPMV lamps 125 W with chock	25 Nos.	25 Nos.	25 Nos.	75 Nos.	Rs.1,700/-	Rs.1,27,500/-
	HTS Bolts 16 x 160 mm	Nil	100 Nos.	Nil	100 Nos.	Rs.150/-	Rs.15,000/-
8	Joystick controller 4 directional XKB-A1233.	03 Nos.	03 Nos.	Nil	06 Nos.	Rs.42,000/-	Rs.2,52,000/-
	Inverter LENZE for Vibrating Table.	Nil	01 Nos.	01 Nos.	02 Nos.	Rs.8,00,000/-	Rs.16,00,000/-
9	Limit switch type XCK M 115	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Limit switch type XCK J 10511	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit switch type XCK J 10541	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit switch type XCK M 121	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 110	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 102	06 Nos.	Nil	Nil	06 Nos.	Rs. 17,000/-	Rs. 1,02,000/-
	Limit Switch XCK M 10559	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Limit Switch Omron 2 N/C 2 N/O	05 Nos.	06 Nos.	05 Nos.	16 Nos.	Rs.2,000/-	Rs. 32,000/-
	Load Cell	02 Nos.	02 Nos.	02 Nos.	06 Nos.	Rs.65,000	Rs.3,90,000/-
	Logo 230 RC	Nil	Nil	03 Nos.	03 Nos.	Rs.15,000/-	Rs.45,000/-
10	Main Switch three phase panel type Fico 200 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.11,000/-	Rs.33,000/-
	Main Switch three phase panel type Fico 300 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.14,000/-	Rs.42,000/-
	Main Switch three phase Fico 100 Amps	03 Nos.	Nil	Nil	03 Nos.	Rs.10,000/-	Rs.30,000/-
	Motor rewinding off capacities as and when required	off capacities	off capacities	off capacities	off capacities	Rs.3,00,000/-	Rs. 3,00,000/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
	Metal Limit Switch XCK M 110	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Metal Limit Switch XCK M 102	06 Nos.	Nil	Nil	06 Nos.	Rs.17,000/-	Rs. 1,02,000/-
	Magnet Contactor 3RT 1015 with auxiliary contact 220V Siemens.	Nil	Nil	12 Nos.	12 Nos.	Rs.3,000/-	Rs.36,000/-
	Magnet Contactor 3RT 1024 Siemens 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.3,000/-	Rs.36,000/-
	Magnet Contactor 3RT 1034 with auxiliary contact 220V Siemens.	Nil	Nil	12 Nos.	12 Nos.	Rs.7,000/-	Rs.84,000/-
	Magnet Contactor 3RT 1035 Siemens. 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.10,000/-	Rs. 1,20,000/-
	Magnet Contactor 3RT 1036 Siemens. 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.10,000/-	Rs1,20,000/-
	Magnet Contactor 3RT 1038 Siemens 440 Volts.	Nil	Nil	12 Nos.	12 Nos.	Rs.15,000/-	Rs.1,80,000/-
	Magnet Contactor 3RT 1044 440V Siemens.	12 Nos.	10 Nos.	12 Nos.	34 Nos.	Rs.15,000/-	Rs.5,10,000/-
	Magnet Contactor 3RT 1045 with auxiliary contact 220V Siemens.	Nil	12 Nos.	12 Nos.	24 Nos.	Rs.20,000/-	Rs.4,80,000/-
	Magnet Contactor LC1-D4011 coil volts 48 AC or LC1-D40.	06 Nos.	Nil	Nil	06 Nos.	Rs.18,000/-	Rs.1,08,000/-
	Magnet Contactor LC2-D253 coil volts 48 AC or LC2-D50.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LC2-D123 coil volts 48 AC or LC2-D12,.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LC2-D169 coil volts 48 AC or LC2-D18.	06 Nos.	Nil	Nil	06 Nos.	Rs.8,000/-	Rs.48,000/-
	Magnet Contactor LS 77 Coil Volts 220 V AEG	Nil	03 Nos.	Nil	03 Nos.	Rs.11,000/-	Rs.33,000/-
	Manual Motor Starter 3RV1021	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.10,000/-	Rs.60,000/-
	Manual Motor Starter 3RV1421	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Manual Motor Starter 3RV1031	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.20,000/-	Rs.1,20,000/-
	Micro Limit Switch for Flash Butt Welding Plant	Nil	Nil	06 Nos.	06 Nos.	Rs.2,500/-	Rs. 15,000/-
11	Push button green & red	37 Nos.	Nil	Nil	37 Nos.	Rs.1,100/-	Rs.40,700/-
	Pendent control station.	03 Nos.	05 Nos.	06 Nos.	14 Nos.	Rs.18,000/-	Rs.2,52,000/-
	Power Contactor Green FC-80	Nil	03 Nos.	03 Nos.	06 Nos.	Rs.10,000/-	Rs.60,000/-
12	Roller Bearing 2205 E FAG Japan.	06 Nos.	Nil	Nil	06 Nos.	Rs.3,700/-	Rs.22,200/-
	Roller Bearing NU 203 Japan.	Nil	12 Nos.	Nil	12 Nos.	Rs.2,200/-	Rs.26,400/-
13	Selector Switch.	12 Nos.	12 Nos.	12 Nos.	36 Nos.	Rs.750/-	Rs.27,000/-
	Sensor Type 3RG 4141	Nil	06 Nos.	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Sensor Type 3RG 4031	Nil	06 Nos.	Nil	06 Nos.	Rs.17,000/-	Rs.1,02,000/-
	Sensor CAD-STP-100-0074	Nil	Nil	02 Nos.	02 Nos.	Rs.37,000/-	Rs.74,000/-

S.No	Description of material	Quantity Required for CSF / KHCT	Quantity Required for CSF / KWL	Quantity Required for CSF / SUK	Total Quantity required for CSFs	Unit Cost	Total Cost
14	Time relay with base 1 sec to 260 hours type/model No.	06 Nos.	05 Nos.	06 Nos.	17 Nos.	Rs.2,700/-	Rs.45,900/-
	Timer SK4 complete.	06 Nos.	Nil	06 Nos.	12 Nos.	Rs.3,500/-	Rs.42,000/-
	Trolley for flat Cable Moving	25 Nos.	50 Nos,	50 Nos.	125 Nos.	Rs.2,500/-	Rs.3,12,500/-
15	XSP inductive proximity switches XSB-C10710 48 Volts.	03 Nos.	Nil	Nil	03 Nos.	Rs.15,000/-	Rs.45,000/-
TOTAL							

XEN/CSF