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**THE GURDASPUR CO-OP. SUGAR MILLS. LTD., GURDASPUR**

**NIT FOR MACHINERY SPARE (Coupling) SEASON 2019-20**

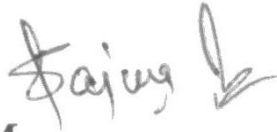
S.No.	Description	Qty.
1	Gear Flex Coupling Full Flexible Type –LFG 107	02 nos
2	Gear Flex Coupling Full Flexible Type – LFG 103	04 nos
3	CI pin bush coupling 8” Do , 10”	04nos each
4	Gear Flex Coupling Full Flexible type LFG 109	02 nos
5	Gear Flex Coupling Full Flexible type LFG 15	01 no
6	Gear Flex Coupling Full Flexible type LFG 16	01 no

**Terms and Conditions:-**

1. Qty may vary while placing the order.



AE.M



Dy. Chief Engineer

**The Gurdaspur Co-op Sugar Mills Ltd., Gurdaspur**  
**N I T FOR SS WIRE NETTING FOR THE SEASON 2019-20**

<b>S.No.</b>	<b>Description</b>	<b>Qty. Required</b>
1.	<b><u>S.S. Wire Netting</u></b> a) 4 Mesh x 18 SWG x 5 feet width b) 6 Mesh x 18 SWG x 5 feet width c) 8 Mesh x 20 SWG x 5 feet width d) 10 Mesh x 20 SWG x 5 feet width e) 12 Mesh x 24 SWG x 5 feet width f) 14 Mesh x 26 SWG x 5 feet width g) 16 Mesh x 26 SWG x 5 feet width h) 18 Mesh x 28 SWG x 5 feet width	250 Ft. Sq. 125 Ft. Sq, 60 Ft. sq. 60 Ft. sq, 120 Ft. sq. 60 Ft. sq, 60 Ft. sq. 120 Ft. sq.
2.	<b><u>S.S. Wire Netting</u></b> a) 4 Mesh x 18 SWG x 4 feet width b) 6 Mesh x 18 SWG x 4 feet width c) 8 Mesh x 20 SWG x 4 feet width d) 10 Mesh x 20 SWG x 4 feet width e) 12 Mesh x 24 SWG x 4 feet width f) 14 Mesh x 26 SWG x 4 feet width g) 16 Mesh x 26 SWG x 4 feet width h) 18 Mesh x 28 SWG x 4 feet width	200 Ft. sq. 100 Ft. sq. 50 Ft. sq. 50 Ft. sq. 100 Ft. sq. 50 Ft. sq. 50 Ft. sq. 100 Ft. sq.
3.	Expanded Metal (M.S.) Netting 1 Mesh x 5 feet width	250 Ft. sq.
4.	S .S. Wire netting 80 Mesh x 5 feet width	150 Ft. sq.

Note: Quantity may vary while placing the order

Chief Chemist

**THE GURDASPUR CO-OP SUGAR MILLS LTD., GURDASPUR**

**NIT FOR SPARES OF APE BELLISS MILL TURBINE SS-26**

Sr. no.	Description	Qty
1.	<b>Specification</b> Make – APE Belliss SS -26 BHP- 400 & 600 RPM – 5000 Back pressure – 0.9 kg/ cm <sup>2</sup> Temperature - 340 <sup>0</sup>	
	<b>Spares of turbines</b>	
a.	Carbon ring with spring and anchor	03 set
b.	Main oil pump drive half coupling	03 nos
c.	Oil filter for oil liner	02 nos
d.	Oil rings	01 set
e.	Rotor shaft of mill no. 1 turbine BHP 400	01 no.
f.	H.S Coupling	01 set
g.	Re-bladding of 1 <sup>st</sup> row of mill no. 3 turbine BHP 600	01 no.
h.	Pinion of gear box of turbine no. 3	01 no.

AE(M)

Chief Engineer

**THE GURDASPUR CO-OP SUGAR MILLS LTD., GURDASPUR**

**NIT FOR SPARES OF APE BELLISS TURBO FEED PUMP TURBINE SS4A**

Sr. no.	Description	Qty
1.	<b>Specification</b> Make – APE Belliss SS4A BHP- 272 RPM – 3000 Back pressure – 0.9 kg/ cm <sup>2</sup> Temperature - 340 <sup>0</sup>	
	<b>Spares of turbines</b>	
a.	Rotor Bearing A & B	01 set each
b.	Pinion bearing	01 set
c.	Gear box bearing	01 set

AE(M)

Chief Engineer

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR HIGH FLOW PUMP AND SPARES FOR 2019-20**

<b>Sr. No.</b>	<b>Particular</b>	<b>Qty</b>
	High Flow Molasses pump complete 6" x 6" fitted with pulley Head – 30 mtr Cap – 500 LPM RPM – 580 Make – Risansi/Ropman/ Gajanan	03 nos
	High Flow Molasses pump complete 4" x 4" fitted with pulley Head – 30 mtr Cap – 500 LPM RPM – 580 Make – Risansi/Ropman/Gajanan	01 no
<b>1</b>	<b><u>Spare for 4" x 4" high flow pump model- 24118 head 30 mtrs, cap – 300 LPM, RPM- 580, Make Risansi</u></b> Rubber Stator	06 Pcs

**Note: Quantity may vary while placing the order.**

**Chief Chemist**

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR AIR COMPRESSOR SPARES FOR 2019-20**

**(A) Air compressor – Ingersol Rend 7 x 5 ESV –1 LUB make Sr. No. 81250058, Year 1981, Discharge Pressure 125 max RPM - 675**

S.No.	Part name	Qty. Required	Rate per unit
1	Cylinder	01 no	
2	Piston	01 no	
3	Piston Rod	01 no	
4	Piston Rod nut	06 nos	
5	Piston rod lock washer	02 nos	
6	Star washer	02 nos	
7	Discharge valve	03 nos	
8	Channel spring set	06 nos	
9	Valve stop plate (D)	02 nos	
10	Valve stop plate (S)	01 no	
11	H.T bolt cover 12/25	15 nos	
12	Air scrapper	12 nos	
13	Oil scrapper	06 nos	
14	Valve seat	04 nos	
15	Valve holder	04 nos	
16	Oil seal crank shaft	06 nos	
17	Rubber (O) ring	04 nos	
18	Taflon (O) ring	04 nos	
19	U/L spring	04 nos	
20	Chamber cover (O) ring	04 nos	
21	Oil Seal pump shaft	01 no	
22	Crank shaft berring left or right	02 nos	
23	C.R bearing up or down	02 nos	
24	Vaul H.T bolt D” d13	25 nos	
25	Oxiliary valve	01 no	
26	Oil filter	02 nos	
27	Air filter	04 nos	
28	Chamber filter	01 no	
29	Chamber filter LWO	01 no	
30	Cylinder H.T bolt big or small	8+8 no	
31	A-check valve	01 no	
32	T-connector female	01 no	
33	High pressure gasket port plate outer or inner	02 nos	
34	High pressure gasket cylinder top or lower	02 nos	
35	Gasket set high pressure	02 nos	
36	Valve seat cap screw	10 nos	
37	Dowel pin	12 nos each	

**( B ) For Air Compressor make – KHOSLA INDAIR LTD.**

**Sr.No. 10060, Type VYD, Year 1986, Pressure – 7 Kgs / Cm<sup>2</sup> RPM – 500 2.26 M / Min**

S.No.	Part Name	Qty. Required	Rate per unit
1	Air filter with cover	01	
2	Discharge valve	02	
3	suction valve	02	
4	Gasket set	01	
5	Piston ring set	03	
6	Cover (O) ring D,S	08	
7	Valve cover sturd with nut	15	
8	Copper gasket D,S	02 + 02	
9	Crank shaft oil seal	02	

**Note: Quantity may vary while placing the order.**

**Chief Chemist**



**THE GURDASPUR CO-OPERATIVE SUGAR MILLS LTD; GURDASPUR**  
**NIT For Servicing & Repair of Air Compressor For 2019-20**

- |                                      |                     |        |
|--------------------------------------|---------------------|--------|
| 1. Make -                            | K G KHOSLA          | 01 No. |
| Type -                               | 1986-BC- 26         |        |
| RPM -                                | 500                 |        |
| Capacity -                           | 2.26 cub mtrs / min |        |
|                                      |                     |        |
| 2. Make -                            | INGERSOL REND       | 02 No. |
| Type -                               | 7X5 ESV- 1 LUB      |        |
| RPM -                                | 675                 |        |
| Discharge pressure -                 | 125 Max.            |        |
|                                      |                     |        |
| 3. Air compressor Twin Lobe Type     |                     | 01 No. |
| Capacity 600 cub mtrs / hr, RPM 1545 |                     |        |
| Pressure 1.0 Kg/ Cm <sup>2</sup>     |                     |        |
|                                      |                     |        |
| 4. Air compressor Twin Lobe Type     |                     | 01 No. |
| Capacity 400 cub mtrs / hr, RPM 1160 |                     |        |
| Pressure 1.0 Kg/ Cm <sup>2</sup>     |                     |        |
|                                      |                     |        |
| 5. MAKE                              | K.G. KHOSLA         | 02 NOS |
| TYPE                                 | 1986 – BC – 26      |        |
| RPM                                  | 700                 |        |
| Capacity                             | 736 ltr/m           |        |

**Note:**

1. One visit of service engineer is required for procurement of spare parts.
2. Quantity of compressors for servicing may increase or decrease

Dy.chief Engineer

Chief Chemist

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR 'V' BELTS, Tyre Coupling & Spare Tyres FOR 2019-20**

**'V' Belts Make –Hilton / Fenner (Poly-F)**

Sr	Description	Qty. required
1	A-30	02 Nos
2.	A-32	02 Nos
3.	A-36	02 Nos
4.	A-38	02 Nos
5.	A-50	02 Nos
6.	A-52	04 Nos
7.	A-55	02 Nos
8.	B-50	06 Nos
9.	B-58	06 Nos
10.	B-60	02 Nos
11.	B-65	02 Nos
12.	B-73	14 Nos
13.	B-75	14 Nos
14	B-102	04 Nos
15	B-104	02 Nos
16	B-105	06 Nos
17	B-112	04 Nos
18	B-120	16 Nos
19	C-56	02 Nos
20	C – 60	10 Nos
21	C – 62	10 Nos
22	C-65	06 Nos
23	C-87	45 Nos
24	C-102	16 Nos
25	C-105	04 Nos
26	C-108	06 Nos
27	C-112	08 Nos
28	C-120	06 Nos
29	C-138 ( Without Code )	18 Nos
30	C-150 ( Without Code )	40 Nos
31	SPC-5000	10 Nos
32	SPC-6000	10 Nos
33	SPC-6000	10 nos

Dy. Chief Engineer

Dy. Chief Chemist

**The Gurdaspur Co-op. Sugar Mills. Ltd., Gurdaspur**

**NIT FOR TYRE COUPLING 2019-20**

**Tyre coupling and spare rubber Tyres**

S.No.	Description	Qty. Required
1.	Rubber Tyre coupling complete of FENNER/LOVEJOY/UNIQUE make a) F-40 b) F-50 c) F-60 d) F-70 e) F-80 f) F-90 g) PH-250	02 Nos. 02 Nos. 02 Nos. 04 Nos. 06 Nos. 03 Nos. 02 Nos
2.	Spare rubber tyres for tyre coupling a) F-40 b) F-50 c) F-60 d) F-70 e) F-80 f) F-90 g) PH-250	02 Nos. 06 Nos. 03 Nos. 10 Nos. 30 Nos. 10 Nos. 02 Nos
3.	Flexible gear Coupling for 250 HP Motor RPM 585, Pilot bore.	02 nos
B.	C.I. coupling – Heavy duty Pin & Bush type with 1” pilot bore a) 6” Ø b) 8” Ø c) 10” Ø d) 12” Ø e) 8.1/2” Ø f) 10.1/2” Ø g) 15” Ø	02 Nos. 02 Nos. 02 Nos. 02 Nos. 02 Nos. 02 Nos. 02 Nos.
C	C.I. Pulley 1. Three groove, B- section with 1” pilot bore a) 4” b) 5” c) 6” d) 7” 2. Three groove, section C with 1” pilot bore a) 4” b) 5” c) 6” d) 7” e) 8” f) 10” g) 15” 3. Four groove section C with 1” pilot bore a) 4” b) 5” c) 6” d) 7” e) 8” f) 10”	02 Nos. 02 Nos. 02 Nos. 02 Nos.  02 Nos. 02 Nos. 02 Nos. 02 Nos. 02 “ 02 Nos. 02 Nos.  01 No. 01 “ 01 “ 01” 01 “ 01 “

Note : Quantity may vary while placing the order

Dy. Chief Engineer

Dy. Chief Chemis

**THE GURDASPUR CO-OP. SUGAR MILLS. LTD., GURDASPUR**

**NIT FOR BCH MAKE MATERIAL 2019-20**

S.No.	Description	Qty.
1	a)F S Contactor 73 amp code CE 15 KN 3 220V Coil volt b)Auxillary contact block for 73 amp.contactor	06 nos. 06 nos.
2	a)F S contactor 30 amp code no. C.E. 15 EN 3 Coil volt 220 b)Auxillary contact block for 30 amp.contactor	06 nos. 06 nos.
3	Spare kit for F.S. Contactor 30 amp code CE 15 P N – 3	50 nos.
4	Spare kit for F.S. contactor 73 amp code CE 15 KN – 3	05 nos.
5	One delay timer ( o – 180 sec) 220 v	12 nos.
6	B C H Make contactor 110 amp M-5 Cat No. MCE-15 MN 3 – 5 2 NO. 2 NC	02 nos.
7	Overload relay 56.4 to 90 amp CT 3 ML 305 and 3 C	02 nos
8 a.	M.C.C.B = 630 amp, Three pole XEMS 630CT	02
b.	M C C B =400 amp X E M S 630 CT three pole	04 nos
c.	M.C.C.B. = 200 amp, Three pole XEP-250BO	04
d.	M C C B 150 amp XE 225 NC, ME 225 NC, 3 pole	04 nos
e.	M C C B 100 amp Three pole XE P-125	06 nos
f.	M.C.C.B. = 63 amp, Three pole XEP-125	06
g.	M C C B 32 amp Three pole XE P-125	16 nos
9	Cable carrier assembly for 25mm 3 core flat cable	40
10	Spare kit for F S contactor 110 amp Type MCE 15 M, Series - AI	01
11	Contactor 110 Amp,coil voltage 220, 60 KW, Type MCE – 15M,Series AI	02
12	Contactor 300 amp, 160 KW,coil voltage 220, Type MCE – 15 S, Series A1	01
13	Spare Kit for contactor 300 amp, 160 KV,Type MCE-15 S.	01
14	Overload relay 24.4 amp 39 amp CT Type	02 nos
15	-do- 84.6 to 135 amp –do-	02 nos

Note : 1. qty may vary while placing the order.  
2. Supply should be through Dealer

AE

Dy. Chief Engineer

**The Gurdaspur Co-op. Sugar Mills. Ltd., Gurdaspur**  
**NIT FOR L&T MAKE MATERIAL (2019-20)**

S.No.	Description	Qty.
1 A	Air break contactor MK -1,ML-1.5, ML- 2, ML-3,ML-4,ML-6,ML-12 coil volt 415/220	04 nos each
B	Spare kit for Contactor MK-1, ML-1.5 ML-2, ML-3, & ML-10	04 nos each
C	No Volt coil for contactor MK-1, ML-1.5, ML-2, ML-3, ML-4, ML-10, COIL VOLTAGE 415 V	04 nos each
D	OVERLOAD RELAY contractor mounting	
	4.56 amp to 6.00 amp MK -1 Type	02 nos each
	6.00 amp to 10.00 MK – 1 – do-	02 nos each
	9.00 amp to 14.00 ML-2 -do-	02 nos each
	13.00 amp to 21.00 ML-2 -do-	02 nos each
	20.00 amp to 32.00 ML-2 -do-	02 nos each
	35.00 amp to 45.00 ML-4 -do-	02 nos each
	30.00 amp to 50.00 ML-4 -do-	02 nos each
2.	Bakelite kit kat 32, 63, 100 amp	06 nos each
3	English electric fuse 6A,10A amp(knife type)	10 nos each
4	BCH MCCB 3 POLE 415 VOLT 32 A, 63A, 100A,160A, 200A, 250A, 400A, 630A	06 nos each
5	Moving contact 400 AMP, 630AMP, 200 AMP	06 nos each
6	Bakelite bridge 630 amp	06 nos each
7	Multirange timer with two delay change-over contact, auto rest, synchronizing 6 sec to 6 hrs. series EM -1000 Make – GIC Cat no. BY – 43 FI	06 nos each
8	Starter box for MK-1,ML_2 and ML-3	12 nos each
9	Jaw contact for 1000 amp	06 nos
10	Push button element 1 NO 1 NC	30 nos
11	Mushroom knob for push button	20 nos
12	HRC Fuse Size 00 80 amp,	12 nos
	Size 00 100 Amp,	12 nos.
	Size 1-125 Amp.	12 nos.
	Size 2 - 200 Amp	12 nos
	Size 2 - 250 Amp	12 nos
	Size 2 - 400 amp	12 nos
	Size 3 - 630 amp	12 nos
13	Bakelite fuse base 63 amp 415 volt AC	06 nos
	-do- 100 amp -do-	06 nos
14	Limit switch pin type for C.F. machine A.C. 415 volt 1.5 Amp, CAT LL 1	06 nos.
15	ACB 1000 amp. Make L & T	01 no.

Note : qty may vary while placing the order  
Supply should be through dealer.

.A.E.(E)

Dy. Chief Engineer

**THE GURDASPUR COOPERATIVE SUGAR MILLS LTD GURDASPUR**

**NIT POWER CAPACITOR (2019-20)**

POWER CAPACITOR HEAVY DUTY 3 PHASE 415 VOLT AC SUPPLY      04 NOS  
HAVING MULTIPLE OF 25 KVAR OF EACH SET OF BANK RATING  
75 KVAR OF TWO LAYER FILM + PAPER +FOIL  
MAKE- L&T/ SIEMENS

A.E.(E)

Dy. CHIEF ENGINEER

**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR ALUMINUM & COPPER BUS BAR 2019-20**

<b>Sr.No.</b>	<b>Description of Material/Items</b>	<b>Qty.</b>
1	Aluminum & Copper bus Bar 0.5 inch , 1 inch	20 mtrs each
	- Do- 0.5 inch, 2 inch	20 mtrs each
	- Do- 0.5 inch, 3 inch	20 mtrs each
	- Do- ¾ inch , 4 inch	20 mtrs each

A.E. (E)

Dy. Chief Engineer

**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR INDUCTION MOTOR (2019-20)**

TEFC 3 phase squirrel cage induction motor Horizontal foot mounted IP 54 high efficiency  
duty S-1 V-415, F-50HZ ,Insulation F class

Make : Kirloskar / Crompton/ Havells

- |             |           |         |
|-------------|-----------|---------|
| a) HP-5 ,   | RPM-1440  | 03 nos. |
| b) HP-7.5 , | RPM-1440  | 03 nos. |
| c) HP-7.5 , | RPM- 960  | 01 no.  |
| d) HP-10,   | RPM-1440  | 03 nos. |
| e) HP-15 ,  | RPM-1440  | 02 nos. |
| f) HP-15 ,  | RPM- 960  | 02 nos. |
| g) HP- 20   | RPM- 1440 | 04 nos  |
| h) HP- 120  | RPM- 1440 | 02 nos  |
- With suitable star delta startar
- i) Cooling fan motor for crane duty motor of 15 HP and 20 HP make BBL  
HP -0.75      RPM -2800      01 nos
- j) Cooling fan motor for 3 speed 80 HP for jyoti make  
HP- 5      RPM- 1440      01 nos

Note: Supply should be through Dealer

A.E(E)

DY.CHIEF ENGINEER



**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR STARTER OF FULLY AUTOMATIC MACHINE (2019-20)**

Sr.No.	Description	Qty.
1	Starter of fully automatic SD Machine HP-80 Volt – 415 Rpm- 200/480/960 Make Siemens / BCH/ L.&T	01 nos

Note: Supply should be through Dealer

A.E(E)

DY.CHIEF ENGINEER

**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR METER - 2019-20**

<b>Sr.No.</b>	<b>Description of Material / Items</b>	<b>Qty.</b>
1	Digital Multifunction meter for measurement of A,V,HZ, W, P.F, Wh Size in mm 140 x140	01 no
2	Watt meter 2500 KW Size in mm 140 x140	01 no
3	Ammeter 4300/ 5A with shunt Size in mm 140 x140	03 nos
4	Ammeter 800/ 5A with shunt Size in mm 102 x102	06 nos
	Ammeter 600/ 5A with shunt Size in mm 102 x102	10 nos
	Ammeter 400/ 5A with shunt Size in mm 102 x102	07 nos
	Ammeter 250/ 5A with shunt Size in mm 102 x102	05 nos
5	Volt meter 440 V Size in mm 102 x102	02 nos
6	Clamp meter	03 nos
7	Hydraulic crimping tool 0-185 mm	01 no

Note : qty may vary while placing the order.

A.E. (E)

Dy. Chief Engineer

**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR P . L. C - 2019-20**

<b>Sr.No.</b>	<b>Description of Material/Items</b>	<b>Qty.</b>
1	Replacement & commissioning of contactor based control circuit of fully automatic SD machine RPM – 200 V 80 / 960 WIL make of 49x 38 size 600 kg/ change with PLC based control system alongwith remote station in existing panel, colored H.M.I proximity switches & communication cable make of PLC: ABB/ Mitsubishi / Allen Bradely  Remarks: Party will visit site at any working day.	03 nos

Note:- 90 % payment delivery time 10 % payment after satisfactory performance during season.

A.E. (E)

Dy. Chief Engineer

**The Gurdaspur Co-op. Sugar Mills Ltd., Gurdaspur**

**NIT FOR THYRISTOR 2019-20**

<b>Sr.No.</b>	<b>Description of Material/Items</b>	<b>Units</b>	<b>Qty.</b>
1	Electric Hydraulic Thyristor for brake of unloader . Volts 415- 440 , 50 cycle 3 phase RPM -2800 Thrust Load – 18kg	Nos	02

A.E. (E)

Dy. Chief Engineer

**THE GURDASPUR COOPERATIVE SUGAR MILLS LIMITED, GURDASPUR**

**NIT FOR COLOR COATED SHEETS AND ITS ACCESSORIES**

<b><u>SR. NO</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>UNIT</u></b>	<b><u>QTY.</u></b>	<b><u>RATE</u></b>
1.	Color coated sheets 0.45 mm thick, Tata / Jindal, ISI marked, having zinc color coating as per Indian standard specifications of sizes as below <ul style="list-style-type: none"><li>• 3.00 x 1.50 m</li><li>• 4.00 x 1.50m</li><li>• 5.00 x 1.50m</li><li>• 6.00 x 1.50m</li><li>• 7.00 x 1.50m</li><li>• 8.00 x 1.50m</li></ul>	Nos.	As per site requirement	
2.	Color coated sheets 0.5 mm thick, Tata / Jindal, ISI marked, having zinc color coating as per Indian standard specifications of sizes as below <ul style="list-style-type: none"><li>• 3.00 x 1.50 m</li><li>• 4.00 x 1.50m</li><li>• 5.00 x 1.50m</li><li>• 6.00 x 1.50m</li><li>• 7.00 x 1.50m</li><li>• 8.00 x 1.50m</li></ul>	Nos.	As per site requirement	
3.	Stainless steel, self driven screws of appropriate thickness for above, monolithically along with PVC and S.S. / G.I. washer, <ul style="list-style-type: none"><li>• 25 mm long</li><li>• 40 mm long</li><li>• 50 mm long</li></ul>	Nos.	500 each	

**Assistant Engineer (Civil)**

**THE GURDASPUR COOPERATIVE SUGAR MILLS LIMITED GURDASPUR**  
**(N I T FOR LAB. APPARATUS FOR THE SEASON 2019-20)**

S.No.	Item description	Unit	Qty. Reqd.
01.	Filter Paper Kalpi Make Sugar Quality ( 18 .5 Cms )	Pkt.	500 Pkt.
02.	Brix Hydrometer (Made In Germany)		
	-Do- 0 – 10	No.	04 Nos.
	-Do- 10 – 20	No.	04 Nos.
	-Do- 20 – 30	No.	02 Nos.
03.	Thermometer With Red Mercury (Alcohol) 0 – 110 <sup>0</sup> C Imported	No.	12 Nos.
04.	Digital Balance 10 kg capacity	No.	01 No.
05.	Cylinder Borosil 1000 ml	No.	04 Nos.
	Cylinder Borosil 250 ml	No.	04 Nos.
	Cylinder Borosil 100 ml	No.	02 Nos.
06.	Enamel Basin 12"	No.	06nos.
07.	Conical Flask Borosil 250 MI	No.	06 Nos.
08.	Muffle Furnace Teemp. 930-1200 <sup>0</sup> C Ambassador Make Model No. Dr-112 Digital Control For Temp.	No.	01no.
09.	Hellige Comparator Lovi Bond	No.	01 Nos.
	Hellige Comparator Disc 6.0 – 7.6	No.	01 No.
	Hellige Comparator Disc 8.0 – 9.6	No.	01 No.
	Hellige Comparator Square Tube	No.	06nos.
10.	PH Meter Display Type LCD within built automatic temperature compensation Temperature Accuracy : 0.01 <sup>0</sup> C Range : 0 to 14 pH Mv : 0 to 1999 with auto Polarity Resolution : 0.01 Design : Table top with glass electrode/epoxy electrode Measured by single push button Guarantee : minimum one year	No.	01 No.
11.	Blade for Rapi pol extractor (SUG FAB Make)	Set	01 Set
12.	Nylon Brush For Bottles	No.	12 Nos.
13.	Kettle Element 1500 Watt.	No.	04 Nos.
14.	Test tube holder	No.	04 Nos.
15.	Silica Crucible Size 3" Dia	No.	04 Nos.
16.	Measuring Flask Borosil 1000 MI	No.	02 Nos.
	500 ml	No.	04 Nos.
	100 ml	No.	04 Nos.
17.	Beaker Borosil 100 ML	No.	12 Nos.
	250 ml	No.	06 Nos.
18.	Burette 100 MI	No.	04 Nos.
19.	Pipette Stand	No.	01 Nos.
20.	Filter Paper Whatman no.1 for pH Paper.	No.	300 paper

Note – Qty. May Vary While Placing the Order.

Chief Chemist

**THE GURDASPUR COOPERATIVE SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR LAB. CHEMICALS for 2018-19**

<u>Sr.No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Qty. Reqd.</u>
1	Lead Sub Acetate /Qualigens/Merck/Davis	Pkts	05 kg x 10 pkt
2	Ethyl Alcohol Absolute	MI	500 ml x 20 nos
3	Ph. Paper Universal 2.0 to 10.5	No.	12 pkts
4	Uranium Acetate Qualigens	Gm	25 gms x 01 no
5	Methyl Orange Qualigens	MI	125 ml x 6 nos
6	Methyl Red Qualigens	MI	125 ml x 6 nos
7	Potashiam per mangnate	Gm	500 gms x 02 nos
8	Universal Indicator (qualigens)	MI	500 ml x 10 nos
9	Sodium Hydroxide Pellets	Gm	500 gm x 02 nos
10	Mercuric Chloride	Gm	250 gms x 02 nos
11	Bromo Cresol Purple	MI	125 ml x 04 nos
12	Bromo Cresol Green	MI	125 ml x 04 nos
13	Bromo Cresol Yellow	MI	125 ml x 04 nos
14	Benzoic Acid	Gm	01 x 500 gm

Note: Quantity May Vary While Placing The Order

**Chief Chemist**

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR PHOSPHORIC ACID FOR 2019-20**

<b>Sr. No.</b>	<b>Description</b>	<b>Qty. Reqd.</b>
1.	Clear,colourless, odorless phosphoric acid of food grade, Packed in plastic containers having following specifications: Purity as H <sub>3</sub> PO <sub>4</sub> minimum 85% W/W specific gravity at 20 <sup>0</sup> Minimum 1.68	300 Kg

**Note: Quantity may vary while placing the order**

Chief chemist



**THE GURDASPUR CO-OPERATIVE SUGAR MILLS LTD, GURDASPUR**

**NIT FOR IDEAL SEED SLURRY FOR THE SEASON 2019-20**

Sr. no.	Descriptions	Quantity
1.	Ideal seed slurry for B-& C- massecuite boiling having following specifications : Specific gravity – 1.89gm/cm <sup>3</sup> Average crystal size- 3 to 4 micron, 95% all in regular shape Colour- white solution containing required grain size Solubility : Sugar part is miscible in water at any ratio Packing -10 kg,	500 kg

Note : Quantity may vary while placing the order.

Chief chemist

# THE GURDASPUR CO-OPERATIVE SUGAR MILLS LTD, GURDASPUR

## N I T FOR BIOCIDES FOR 2019-20

S.No.	Description	Quantity
1.	Biocide Quaternary Ammonium compound BKC Based ( strength 50% minimum)	300 kg

**Note :\_\_ Quantity may vary while placing the order**

Chief Chemist

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR ANTI FOAM FOR 2019-20**

<b>Sr. No.</b>	<b>Description</b>	<b>Qty. Reqd.</b>
1.	Antifoam of food grade having TFM 40 to 45 %	150 Kg

**Note: Quantity may vary while placing the order**

Chief chemist

## The Gurdaspur Co-op Sugar Mills Ltd., Gurdaspur

NIT FOR BOILER CHEMICAL 2019-20

MAKE – ION EXCHANGE/ MAXTREAT

Sr.no	Description	Qty
1	PH Booster	500 kgs
2	Sludge conditioner/ settler	200 kgs
3	AQUASOL (A) ALKALINITY AE- 204	02 set
	(B) TOTAL HARDNESS AE- 511	02 set
4	Calibration of PH & TDS Meters	01 each

Note :-1. qty may vary while placing the order

2. Parties are requested to recommend their chemical dosing per shift of 8 hrs for the treatment of per ton of boiler feed water of PH 7.00 before boiling without recommendation of dosing quotation is not to be considered

Chief Engineer

**THE GURDASPUR CO-OPERATIVE SUGAR MILLS LTD, GURDASPUR**

**N I T FOR CAUSTIC SODA FLAKES. FOR 2019-20**

S.No.	Description	Quantity
1.	Caustic Soda flakes conforming to IS / 252/ 1923 having 99.5 % purity by weight packed in 50 Kgs. H D P E bags. Make - G A C L/ Grasim	05 M.T.

**Note : \_\_ Quantity may vary while placing the order**

Chief Chemist

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T for BLACK POLYTHENE SHEET for 2019-20**

<b>Sr. No.</b>	<b>Description</b>	<b>Qty. Reqd.</b>
1.	Black polythene sheet as per IS 2508 – 1984 reaffirmed 2003, thickness of the sheet should be minimum 250 microns and Tensile Strength – in longitudinal direction – 140 Kgf / cm <sup>2</sup> in Transverse direction – 110 Kgf / cm <sup>2</sup>	3000 Kg

**Note: Quantity may vary while placing the order.**

Chief Chemist

# **THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

## **N I T FOR BAG CLOSING THREAD FOR THE SEASON 2019-20**

<b>S.No.</b>	<b>Description</b>	<b>Quantity</b>
1.	Bag closing thread Make- Garware Each cone having 1000 Mtrs thread of breaking strength 5 Kg to 7 Kgs. (a) Nylon (b) Cotton	1800 Cones 1800 Cones

**Note : Quantity may vary while placing the order**

Chief Chemist

## The Gurdaspur Co-op Sugar Mills Ltd; Gurdaspur

### N I T FOR RUBBER MATERIAL FOR 2019-20

S.No.	Description	Quantity																																																
1	Rubber seat for Raw/Sulphited juice Heater, as per drawing No. – 830306 ( Sr. No. – 1 ) <b>PATCO-Make</b>	40 Nos.																																																
2	Rubber seat for clear juice Heater / V.L.J.H. as per drawing No. 830264/A( <b>PATCO-Make</b> )	20 Nos.																																																
3	EDPM Rubber seat for fabricated valve as per( <b>PATCO-Make</b> ) Drawing No. 830401 Sr. No. 1 to 5 No. 830401/A Sr. No. 1 to 5 No. 830415/A Sr. No. 1 to 3 Drawing No. 830445	02 each 02 each 02 each 02 each																																																
4	<b>EPDM Rubber seat for fabricated valve As per following size(PATCO-Make)</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>OD</u></th> <th style="text-align: center;"><u>ID</u></th> <th style="text-align: center;"><u>Thickness</u></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1040 mm</td> <td style="text-align: center;">900 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 Nos.</td> </tr> <tr> <td style="text-align: center;">450 mm</td> <td style="text-align: center;">330 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 Nos</td> </tr> <tr> <td style="text-align: center;">400 mm</td> <td style="text-align: center;">280 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 Nos</td> </tr> <tr> <td style="text-align: center;">650 mm</td> <td style="text-align: center;">520 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 Nos.</td> </tr> <tr> <td style="text-align: center;">352 mm</td> <td style="text-align: center;">224 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">04 Nos.</td> </tr> <tr> <td style="text-align: center;">720 mm</td> <td style="text-align: center;">520 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">03 Nos.</td> </tr> <tr> <td style="text-align: center;">800 mm</td> <td style="text-align: center;">680 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 Nos.</td> </tr> <tr> <td style="text-align: center;">200 mm</td> <td style="text-align: center;">100 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">03 Nos.</td> </tr> <tr> <td style="text-align: center;">710 mm</td> <td style="text-align: center;">575 mm</td> <td style="text-align: center;">40 mm</td> <td style="text-align: center;">02 Nos.</td> </tr> <tr> <td style="text-align: center;">750 mm</td> <td style="text-align: center;">640 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">0 2 nos</td> </tr> <tr> <td style="text-align: center;">650 mm</td> <td style="text-align: center;">510 mm</td> <td style="text-align: center;">25 mm</td> <td style="text-align: center;">02 nos.</td> </tr> </tbody> </table>	<u>OD</u>	<u>ID</u>	<u>Thickness</u>		1040 mm	900 mm	25 mm	02 Nos.	450 mm	330 mm	25 mm	02 Nos	400 mm	280 mm	25 mm	02 Nos	650 mm	520 mm	25 mm	02 Nos.	352 mm	224 mm	25 mm	04 Nos.	720 mm	520 mm	25 mm	03 Nos.	800 mm	680 mm	25 mm	02 Nos.	200 mm	100 mm	25 mm	03 Nos.	710 mm	575 mm	40 mm	02 Nos.	750 mm	640 mm	25 mm	0 2 nos	650 mm	510 mm	25 mm	02 nos.	
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**Note : Quantity may vary while placing the order.**

CHIEF CHEMIST



**The Gurdaspur Co-op Sugar Mills Ltd., Gurdaspur**

**N I T FOR BRASS LINERS ETC. FOR C/F MACHINES FOR 2019-20**

S.No.	Description	Quantity
1.	a) Brass liners for Buckauwolf make 49" x 32" sized steep cone self discharging centrifugal machines having four segments in each set, duly silver brazed, hole diameter 0.6 mm and 500 holes per square inch, Thickness 22 - 24 SWG	10 Set
	b) Brass liners for WIL make 49" x 38" sized steep cone self discharging centrifugal machines having four segments in each set, duly silver brazed, hole dia. 0.6 mm and 550 holes per square inch Thickness - 22 - 24 SWG	10 Set
2.	Brass Binding strips suitable for :  a) Buckauwolf make 49" x 32" sized steep cone self discharging centrifugal machines	12
	b) W I L make 49" x 38" sized steep cone self Discharging centrifugal machines	12
3.	Brass Nozzles with M S socket As per sample for Batch Type centrifugal Machines.	80
4.	S.S Nozzles with M S socket as per for continuous machines	30

Note: Quantity may vary while placing the order

CHIEF CHEMIST

**THE GURDASPUR COOP. SUGAR MILLS LIMITED GURDASPUR**

**N I T FOR NICKEL SCREENS FOR 2019-20**

<b>Sr. No.</b>	<b>Description</b>	<b>Quantity Reqd.</b>
	Strip (set of 3 pcs.) of uniform slot opening having nickel 99.8%, chromium thickness 12 – 14 micron, hardness 1000 Hv for NHEC make NK 1100 continuous type centrifugal machines'	
	Nickel Screen of following:	
i)	of size 0.05 x 2.10 x 0.34	3 sets
ii)	of size 0.06 x 2.11 x 0.34	3 sets

**Note:** Quantity may vary while placing the order

Chief Chemist

# The Gurdaspur Co-op. Sugar Mills Ltd.

PANIAR, P.BOX NO. 27, GURDASPUR

We have got published a press tender for purchase of above items in The Pioneer and jag Bani dated 14-08-2019. Detailed Terms & Conditions of the tender are given below. Complete specifications of material and tentative quantity to be purchased is given in the list enclosed herewith.

## Terms & Conditions for group-A

1. Rates must be quoted on FOR Mills site.
2. GST Extra on the quoted price as per rules.
3. The quoted rates must be valid for end of crushing season 2019-20.
4. Valid dealership certificate must be enclosed with the tender, wherever applicable.
5. In case the supplier is unable to supply the material with in time, given in the order, The General Manager shall have absolute powers to purchase the material at the risk & cost of supplier.
6. Payment terms will be negotiated during negotiation with lowest party.
7. The supplier shall be liable to replace defective/ rejected material, if any, at his cost.
8. Last date of receipt of tender is 26-08-2019 at 10.00 am. Tender will be open at 10.00 am on 26-08-2019, in the presence of parties who wish to be present.
9. Negotiation shall be held with the lowest tenderer, if required.
10. Penalty Clause shall be applicable as decided in the negotiation for non compliance of the order terms.

The undersigned reserves the right to postpone/reject any or all tenders without assigning any reason.

General Manager