



THE ASKA CO-OPERATIVE SUGAR INDUSTRIES LTD.

P.O.: Nuagam, (Aska) 7611 11, Dist. Ganjam, Odisha State.

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GSTIN : 21AAAAT5989L1ZO

TENDER CALL NOTICE

No.(PUR)/659 /date.27/07/08/22

The Aska Cooperative Sugar Industries Ltd., Aska invites sealed tender from registered Manufacturers/Authorized Dealers/Suppliers having provisional GSTIN *FOR SUPPLY OF sulphur burner, vacuum filter drum etc. as per tender form.*

TERMS & CONDITIONS:

- I. The tender forms are available by down loading from the website of the Aska Coop. Sugar Industries Ltd www.askasugar.com. The cost of tender paper is ₹500/-(Rupees five hundred) only. The amount is not refundable. The tenderer should deposit 1% of the cost of materials as EMD.
- II. The tenderer should enclose two separate Demand Drafts in the tender form towards cost of Tender papers & EMD. The Demand draft should be payable in favour of Aska Cooperative Sugar Industries Ltd and payable at Aska.
- III. Tender which is not accompanied with the cost of tender paper & EMD will not be considered as a valid tender. The EMD will be refunded without interest to the unsuccessful bidder after completion the tender process. The EMD deposited by the successful tenderer will stand converted to Security deposit which will be refunded without interest after supply of materials.
- IV. There are two parts of this sealed quotations, Viz. Technical & Financial. The suppliers are required to duly fill up all the two parts of documents and place them in two separate sealed envelopes which should be superscribed as "TENDER FOR" TECHNICAL DOCUMENTS" & "TENDER FOR FINANCIAL DOCUMENTS". The two inner envelopes should be signed & kept in another outer sealed envelope and addressed to the Managing Director, Aska Co-operative Sugar Industries Ltd, Nuagam, Aska-761111. The outer envelope must show the address & mobile phone no. of the suppliers and should be superscribed as "Supply of Materials " , Errection & Commissioning.

- V. The Sealed quotations should reach the Aska Cooperative Sugar Industries Ltd., Aska through registered post/ speed post/courier till 05:00 PM of 13 /08/2022 and the same will be opened at 11:30AM of 16 /08/2022 in presence of the tenderers or their authorized representatives. No tender will be accepted beyond the stipulated date & time.
- VI. The offer send through e.mail will not be accepted.
- VII. The documents shall be accompanied with the GSTR-3B return i.e. (Jun..2022).
- VIII. Copy of the Order & performance report from other clients
- IX. Interested tenderers are requested to furnish the rate of material on FOR Aska (factory site) including GST and other charges.
- X. Furnish Erection & Commissioning charge separately
- XI. If the size of the materials found less/short/any materials rejected then the same will be replaced by you free of cost.
- XII. Rates are quoted on the unit basis.
- XIII. The undersigned reserves the right to accept or cancel any or all tenders at any stage without assigning any reason thereof and the bidder will not have any claim
- XIV. Experience parties (at least 10 years) will be entertained in this tender progress
- XV. Minimum 5 term key installation of said system certificate will be produced by manufacture.
- XVI. Reputed manufacture will quote for the tender.


Managing Director

TENDER FORM

To,

The Managing Director,
A.C.S.I Ltd, Aska

I have gone through the Tender Call Notice issued vide Letter No-PUR./____Dt.____/07/2022 for Supply and Erection & Commissioning of following materials as detailed below.

Annexure

Sl	Description of Items	Specifications	quantity	Unit wise rate (quoted including all taxes as FOR Aska site)
01.	Continuous Sulphur burner(100kg/hr) capacity.	Enclosed details	One set	
02.	No.-2 vacuum filter drum with all fittings.(8'-16')	Enclosed details	One set	
03.	Clarifier bottom compartment leaky tray plate to changed with all scrapper plate.	Enclosed details	One set	
04.	Spray pond one side total branch pipes, clusters &(150) nozzles to be changed.	Enclosed details	150 nozzles with branch pipes & clusters	
05.	Dust catching system for sugar house(2500 for TCD Plant)	Enclosed details	One set	
06.	Batch C/F super heated wash water automation system to be installed.	Enclosed details	One set	

Certified that the documents and information furnished are correct and no part false and fabricate. I intend to execute the supply of the complete materials in all respect as per terms and conditions specified on the Tender Call Notice.

Name & Address: -

Sri _____

Village/town/city _____

P.O _____ Dist. _____

Contact No. _____

Full Sign. of Tenderer with seal

CLARIFIER

Work description: - SUPPLY, ERECTION, COMMISSIONING

1. Clarifier M.S fabricated bottom tray plate with angles clamped (Plate thickness)
- 08 mm
2. All compartments M.S mud scrapper with rubber scrapper belt and hinged rod
- 68 nos.

Make: JORD - 4444

Dia - 9144 mm

Height- 6096 mm

SPECIFICATION FOR ROTARY DRUM VACUUM FILTER (DOOR OLIVER)

Drum only with all accessories

Sl.no	Materials	Description
1.	Size	8'×16'
2.	Drum shell thickness	05 mm s.s- 304
3.	Drum head thickness	08 mm s.s- 304
4.	Internal piping(stainless steel)	s.s - 304
5.	Pipe Plate	s.s - 304
6.	Screen	s.s -304 having 625 holes /sq. Inch & 30 swg.
7.	Deching Plate	s.s 304 corrugated with copper ribit.
8.	Zigzag locking strip	Brass
9.	Division strip	S.S
10.	Model	Door oliver

INCLUDING SUPPLY, ERECTION, COMMISSIONING

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TECHNICAL SPECIFICATION OF VPFH ASSEMBLY

Sr. No.	Description of Material
	<p>Design Manufacture Supply Erection & Commissioning of VPFH ASSEMBLY</p> <p>Includes (Nozzles 5 Numbers of 2.77 LPS)</p> <p>1) Heavy duty couplers suitable for 10 kg/cm² Pressure</p> <p>2) 8" & 6" 12/14 mm VPHF Assembly with silicon rubber Joint with heavy duty adaptor with SS 304 nut and bolts</p> <p>3) Flangeless Telescopic Five way header .</p> <p style="margin-left: 20px;">I. Thickness – 10 mm</p> <p style="margin-left: 20px;">II. Arm Fitting are- 60 mm</p> <p style="margin-left: 20px;">III. Vertical height pipe fitting area – 100 mm</p> <p style="margin-left: 20px;">IV. Nozzle accommodation capacity – 5 Nos</p> <p>4) Nozzles : 150 Numbers</p> <p style="margin-left: 20px;">I. Maximum Discharge capacity – 2.77 LPS(10m³/hr) each Nozzle</p> <p style="margin-left: 20px;">II. Design Type – Invelute</p> <p style="margin-left: 20px;">III. Nozzle adaptor is also provided with each nozzle to remove and refit the same for cleaning purpose .</p> <p style="margin-left: 20px;">IV. Adaptor silicon joint is also provide for each Nozzle.</p>

POINTS:-

- 1) Experience parties (at least ¹⁰20 years) will be entertent in this tender.
- 2) Minimum ⁵10 term key installation of said system certificate will be produce by manufacture.
- 3) Reputed manufacture will be quote for the tender.

TECHNICAL SPECIFICATIONS OF CONTINUOUS SULPHUR BURNER (100 Kg/Hr)

SCOPE OF SUPPLY :

DESIGN, MANUFACTURING, SUPPLY COMMISSINOING OF CONTINUOUS SULPHUR BURNER

Capacity. :- 100 KG/HR.

Type :- Continuous

1. Sulphar Melter (HEATING CHEMBER)

M.O.C.:- M.S.

Thickness :- 10 mm

Heating Element Steam jacketed with strainer arrangement.

2. Melt Receiver

M.O.C. :- M.S.

Thickness :- 10 mm

Heating Element Steam jacketed.

3.Hopper Feeder Valves with S.S. Internals

Type Steam Jacketed.

Size Dia 50 mm

M.O.C. :- M.S. S.S.Internals Seamless pipe

Thickness :- 10 mm

4.Main Furnace (COMBUSTION CHEMBER)

M.O.C.:- M.S. With inside refractory lining.

Thickness :- 15 mm

5. Molten Sulphur feeder Automatic arrangement

6.Water Jacket Separate two parts (top & bottom) of M S. Plate

7.Main flange M.S.

8. Main furnace (VPC) should be with all required connections like Air distribution valves, feeder pipes S.S. 304 .

9.After Burner (SECONDAY FURNACE)

M. O.C. M. S.

Thickness: - 10 mm

With Refractory Lining

10. Primary Cooler (WITH TROMBONE TYPE COOLING ARRANGEMENT)

M.O.C M.S. Water jacket, inner pipe for cold-water circulation \varnothing 8" Heavy thick, outlet pipe for gas collection of \varnothing 12

1. Your system complete with digital monitoring for gas temperature

2.Required structure for Melter and Receiver.

3.Required inter connecting pipes, valves, traps, slight glass, pressure gauges for Air,

4.Water & Steam

11.COOL AND SCRUBBER UNIT

M.O.C. M.S.

Thickness: -10 mm.

Water Jacket M. S. 5 MM THICK

With sufficient cooling area, cooling pipe of M.S. Heavy Thick With Centre gas Outlet pipe.

Ø 8" Inner pipe & Outer pipe Ø 12"; gas outlet with Outside water jacket for scrubber, Each pipe should be in folding system with separate valves for cooling.

12. INSTRUMENTATION SYSTEM

Digital Display Panel.

Digital Temperature Indicator

Size - 96 x 96

Range- 0 to 600

Input-J Type

Temperature Sensor

Range- 0 C to 600 C

Size OD 4" - 3 Nos.

Size OD 12" - 1 No.

Input -J Type

Cable Two Core Cable J Type Input

Air & Steam Pressure Gauges with Siphon Pipe.

FACTORY'S SCOPE OF SUPPLY AND WORK

1. Required Civil Works with SISCSTA material.
2. Required Electrical Supply,
3. Required Air, (Oil Free from Air) Water, Steam, So2 Gas Line Upto your terminals points (Sulphur Burner) with Valves.
4. Required Tool & Tackles. (If Required)
5. Required Heat Insulation for Melter and Receiver and Steam Jacketed Valves.
6. Material Unloading at Factory.

SUPPLIER'S SCOPE:

1. equipment supply.
2. Erection.
3. Commissioning.

TECHNICAL SPECIFICATIONS OF TEMPERATURE CONTROL SYSTEM FOR
SUPERHEATED WASH WATER SYSTEM OF BATCH CENTRIFUGAL.
(2500 TCD SUGAR PLANT)

Scope of Supply :-

1. Temp. Sensor with Thermowell.

Size :- 6 mm X150mm

Material of Sheath :- S.S. 304

Material of Thermowell :- S.S. 304

Make :- Thermosensor .

Qty. :-1 No.

2. Compensating Cable

Type :- PVC-PVC

Make :- Thermosensor .

Qty. :-50 Meters

3. Temp. Controller

Input :- RTD

Output :- 4-20 miliamp.

Power Supply :- 230 VAC

Type :- P.I.D.

Make :- Honeywell

Qty. :- 1 Nos

4. Control Panel

M.S. Powder coated duly wired. With fuse and switch.

Qty. :-1 No.

5. Control Valve with Electro-pneumatic Positioner .

Size :-2"

Type :- Proportional

Make :- Aira/ Marck

Qty. :- 1 No.

6. Pneumatic Accessories.

a. PU Tube ,

b. PU Fittings,

c. Air Filter Regulator

Make :- Aeroflex.

Qty. 1 Set.

FACTORY, S SCOPE OF SUPPLY AND WORK

1.Required Civil Works with SISCSTA material.

2. Required Electrical Supply.

3. Required Instrument Air, (Oil and Moisture free Air with 7 kg/cm² Pressure)

4. Steam, Piping with Isolation and By Pass Valves)

5. Required Tool & amp; Tackles. (If required)

6. Required Heat Insulation for Steam Piping and Heat exchanger.

7.Material Unloading at factory.

SUPPLIER'S SCOPE:

1. equipment supply.

2.Erection.

3.Commissioning.

TECHNICAL SPECIFICATION OF DUST CATCHING SYSTEM (WET TYPE)

FOR 2500 TCD SUGAR PLANT

Sl no	(A) Wet Scrubber Particulars	
1.	Type of Dust Collection	Wet type
2.	Particulate arrestation Device	High Efficiency Venturi Wet Scrubber
3.	Particulate to be Scrubbed	Sugar Dust
4.	Scrubbing Liquid	Clean Water
5.	Dust Load at inlet	Max 4 g/NM ³
6.	Scrubber Dia and Total Height	Not less than 1800 × 7500 mm
7.	Main Header Duct	635 mm
8.	Spray Header	Not < 85 mm Ø
9.	Pump Suction & delivery Header	17 Points - Suction 3" NB & Delivery 2.5" NB, Sch 10 39 Points - Suction 5" NB & Delivery 3" NB, Sch 10
10.	Mist Eliminator for Scrubber Shell	Double Pass Chevron Type
(B)	Injection and Slurry Pump	
1.	Type	Centrifugal, Non Clog, Semi -open /open
2.	Capacity & Head	25M ³ / Hr & 15 M Head
3.	Power & Speed	5 HP & 1440 RPM
(C)	Material of Construction of SDC System	
1.	Venturi Water Trough	6 mm MS IS 2062
2.	Venturi Converging Cone	6 mm MS IS 2062
3.	Venturi Throat Coalesce Assembly	5 mm SS 409
4.	Venturi Diverging Cone for Draft recovery	4 mm SS 409
5.	SLG Mixing Plenum Chamber Assembly	6 mm MS IS 2062
6.	Cyclonic Injection Entry Assembly	6 mm MS IS 2062
7.	Scrubber Bottom Cone	8 mm MS IS 2062
8.	Scrubber Bottom Shell	8 mm MS IS 2062
9.	Scrubber Upper shell	6 mm MS IS 2062
10.	Scrubber Top Cone	6 mm MS IS 2062
11.	Sweet Water Recirculating Tank	6 mm MS IS 2062
12.	Pumps for Venturi & Spray	Impeller CF8 Body & Gland CI Shaft EN 8
13.	Mist Eliminator for Scrubber Shell	SS 304
14.	Pump suction & Delivery Header	SS 304 Sch 10S
15.	Piping Flanges & Nozzles	ANSI B16.5 # 150 Nozzles of size 40 NB & below shall be of Schedule 80 Nozzles of size above 40 NB shall be of schedule

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16.	Spray Header	SS 304
17.	Multi - cone ,Variable flow jet Spray Nozzles	Teflon / Brass with SS Plating
18.	Valves	CI Body with SS Gates
19.	Ducting ,Bends & Reducers	2 mm MS IS 2062 up to 600 mm. Stiffener for larger dia
20.	Dust Capture Hoods	2 mm MS IS 2062
(D)	Centrifugal Fan Particulars	
1.	Make of Fan / Model	SMB,High Efficiency design
2.	Type	SISW Self Cleaning Type
3.	Static Pressure @ NTP	350 mm WC
4.	Type of Drive	Coupled Drive
5.	Speed of Impeller	1440 RPM
6.	Motor Recommended	55 KW (75 HP) /1440 RPM
(E)	Material of Construction of ID Fan	
1.	Casing	5 mm MS IS 2062 with suitable stiffeners
2.	Impeller	Cone Plate & Blade : 5 mm MS IS 2062 Back Plate : 8 mm MS IS 2062
3.	Shaft	EN 8 Not < 65 mm
4.	Bearing	22215 SKF
5.	Hub	Cast Steel /Steel Fabricated
6.	Accessories	Common Base Frame,Pulleys,V-Belts,Belt Guard, Access Door Inlet Cone,Damper,Bird+ Screen, Slide Rails, Drain Plug, Lifting Hook & Foundation Bolts complete.
7.	Additional Washing Arrangement	Specially designed Nozzle for Fan Impeller to enable online washing and cleaning for smooth and trouble free operation of Fan throughout the season.