

E-Tendering for Pharma Machinery.

Detailed Technical Specification of Pharma Machinery as below mentioned.

Come soon this Tenders will be float on Maharashtra Government E-Tender Portal. <http://maharashtra.etenders.in>

Pre-Condition:- Before quoting the tender please inspect the site & location & confirmed the feasibility of installation.

For more information & contact :-

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Technical Specification of Pharma Machinery

Name of Equipment: LIFTING AND POSITIONING DEVICE FOR COMPRESSION MACHINE.

Description	Specifications
Quantity	3 no's
Working Capacity	Suitable for 70 KG Capacity In Process Container with material in it
Maximum Capacity	At least twice the working capacity
Lifting arrangement	Hydraulic cylinder with help of hydraulic power pack for lifting (UP & DOWN movement) Arm of LPD is turn in 270 degree.
Type	cGMP – All parts in SS 304 or at least covered in SS 304
Hydraulic Power Pack	With Tank , Pump coupled with TEFC motor of Make - Hindustan/ABB/Crompton , Flow Control Valve , Check Valve , Pressure Relief Valve , Pressure gauge , high pressure tubing etc.
Projection of lifting arm	To suit product container and position of charging distance for Compression machine
Lowered height of arm	Approx. 800 mm
Raised height of arm	3000 mm max.
Control Panel	In SS 304 with ON / OFF push button , Overload protection , Relays
Other Features required	<ol style="list-style-type: none"> 1. Electrical Overload Relays. 2. Up / Down Position Control
Finish	All external surfaces : Matt
maintenance	Easy to operate and easy to maintenance.
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.

Name of Equipment: - TABLET DE-BURING/ DE-DUSTING MACHINE FOR COMPRESSION MACHINE

Description	Specifications
Quantity required	6 Nos.
Size of Tablets	Min size – 5mm , Max size- 25mm
Type	Elevating type with vibratory SS 316 Screens, Poly carbonate cover, Vacuum connection nozzles, with magnetic coil housed in an SS body with PU wheels
Output	5000 - 200,000 Tablets / Hr.
Charging Height	Suitable for any Compression machine(Tablet Press) from any manufacture
Discharge Height	
Finishes	All SS external surfaces: 180 Grit, Matt, Parts in Contact of Product in SS 316 with 240 Grit Finish
Documentation	Test certificate of material, Food grade certificate of Poly carbonate sheet, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.
Features	easy to maintenance and cleaning, low vibrating noise level, easily attach to metal detector and user friendly etc
Control panel	In SS304 with 5m long cable.

Name of Equipment: - DUST EXTRACTOR (GMP MODEL)

Description	Specifications
Quantity require	1 No
Suction capacity	150 CFM
Filtration area	0.84 sq. mtrs
Inlet connection	4 nos of dia 40mm Two inlet manifolds facilitate to connect any compression machine and any two for De-burring machine.
Contact Parts Non Contact parts	SS 316 SS 304
Mounting	Machine should mounting in castor wheel with locking arrangement for easy mobility.
Dust collection tray	Multi post, manifold dust collection tray SS 304
Motor	Hindustan/ABB/Crompton
Storage capacity	25 Ltrs.

Name of Equipment: - DUST EXTRACTOR (GMP MODEL)

Description	Specifications
Quantity require	2 No
Suction capacity	300 CFM
Filtration area	1.343 Sq. mtrs
Inlet connection	4 nos of dia 50mm Two inlet manifolds facilitate to connect any compression machine and any two for De-burring machine.
Contact Parts Non Contact parts	SS 316 SS 304
Mounting	Machine should mounting in castor wheel with locking arrangement for easy mobility.
Dust collection tray	Multi post, manifold dust collection tray SS 304
Motor	Hindustan/ABB/Crompton
Storage capacity	40 Ltrs.

Name of Equipment: - Comminutor – GMP Model (Cadmill)

Description	Specifications
Working Capacity	100 - 200 Kgs/hr
Motors used	Hindustan/ABB/Crompton with set of pulleys with suitable variable speed drive
Type of feeding	Screw feed matching with working capacity with variable speed drive
All contact parts	SS 316
All non contact parts	SS 304
Rotor blade	No of blades suitable to working capacity and blades with knife/Impact edge
Feed hopper	With height adjustable arrangement and chute with valve plate to regulate material flow and back pressure filled with safety switch level.
SS perforated screen	Perforation equivalent to 16,20,40 mesh
Mounting on	SS pipe legs with castor wheels having locking provision.
Bottom outlet	Provided Bottom outlet with central valve suitable for manual as well as automated transfer of paste
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.

Name of Equipment: - BLISTER / STRIP DE-FOILING MACHINE

Description	Specifications
Requirement	Machine should be ideal for the recovery of tablets /capsules from rejected strip or blisters without damaging the product. The machine should have adjustable slitters suitable for strip width & blister width of 50 to 90 mm with stainless steel tablet collecting tray.
Contact part	SS 316
Non Contact part	SS 304
Motor	Hindustan/ ABB/Crompton
Documentation	Test certificate, DQ, IQ, OQ, Operational and maintenance manual with all necessary drawings to be provided by vendor

Name of Equipment- ROLL COMPACTOR

Description	Specifications
Working capacity	100 -200 Kgs/hr
Roll speed	5 to 25 RPM (Through A.C Frequency Drive)
Feed Screw speed	5 to 60 RPM (Through A.C Frequency Drive)
Motor	Hindustan/ABB/Crompton
Roll surface	Plain (Depends upon material characteristics)
Contact Part	SS 316
Non contact part	SS304
Control Panel	In SS304 consist all controls(ON/OFF Rolls, ON/OFF Feed Screw, Main switch, Forward/ Reverse switch, Ammeter for Roll and Feed screw)

- 1) The design of Roll Compactor should be water jacketed or flame proof.
- 2) The design of Roll Compactor should be very compact, easy to clean, easy to handle and easy to maintenance.
- 3) The feed screw assembly should be removable for cleaning purpose.
- 4) The Roll Compactor should be provided scrapper assembly to dismantle for easy to cleaning.
- 5) The Roll Compactor should be provided hydraulic power pack system for rear roller.
- 6) The Roll Compactor should be provided electrical interlocking.

Name of Equipment- VIBRO-SHIFTER

Description	Specifications
Screen	SS 316L
Screen Diameter	752 mm
Capacity /Hrs	30 to 350 kg
Charging Height	
Discharge Height	900mm
Motor	Hindustan/ABB/Crompton with TEFC motor explosion proof or flame proof motor with variable frequency drive.
Screen size	#40, #16, #12 mesh with triple deck screen
Contact Part	SS 316 AISI with lead free.
Non contact part	SS304
Mounting	On castor wheel with locking arrangement.
Finishing	All SS external surface 240 gritt matt finish.
Operating Panel	In SS 304, consist all controls
Features	Noiseless, easy to maintenance, easy to dismantling for cleaning of contact part.
Accessories	
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.

Name of Equipment- TABLET-CAPSULE INSPECTION BELT.

Description	Specifications
Quantity required	1 No.
Length	6 feet
Width	3 feet
Speed	1 to 10 meters per min with variable frequency drive.
Material of Construction	SS 304 Matt Finish (180 grit) 16 G thick main body sheet with 6 Nos. 32 mm Square Pipe legs
Material of Roller	Food grade or silicon
Product Hopper	SS 316 bulk product hopper with viewing panel.
Height	Standard (Approx. 800 mm), Adjustable with castor wheel.
Drive	Bonfiglioli motor with Bonfiglioli gear box and Variable Frequency drive.
Operating Panel	In SS 304
Feature	easy to maintenance and cleaning, low vibrating noise level, easily attach to metal detector and user friendly etc
Documentation	Test certificate of material, Food grade certificate of roller, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.

1. The tablet- capsule inspection belt should provide vibratory feeder with dust extract nozzle.
2. The tablet- capsule inspection belt should provide overhead light for easy inspection, it should be adjustable.
3. The tablet- capsule inspection belt should allow rollers to turn forward as well as backward movement.

Name of Equipment- PACKING CONVEYOR BELT.

Description	Specifications
Quantity required	2 No.
Direction of movement	Left to right
Length	12 feet
Belt Width	9 inch
Speed	3 to 10 meters per min with variable frequency drive.
Material of Construction	SS 304 Matt Finish (180 grit) 16 G thick main body sheet with 6 Nos. 32 mm Square Pipe legs
Material of belt	PVC, endless 2 ply sandwich, 2mm thickness
Height	850+/- 60mm
Drive	Direct gear drive of make Bonfiglioli motor with Bonfiglioli gear box and Variable Frequency drive.
Operating Panel	In SS 304
Feature	Easy to maintenance and cleaning and user friendly etc
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and maintenance manual with all necessary drawings etc.

Name of Equipment- FRIABILITY TEST APPARATUS.

Description	Specifications
Quantity	1 No's
No of Drum	2 No's
Speed	25 RPM
Accuracy	1 RPM
Counter	1 to 9999 revolution
Features	<ol style="list-style-type: none">1. Consist 4 digit LED display2. Microprocessor control with programmable counter3. The percentage of the abrasion of the tablet directly shows on display.
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and troubleshooting manual

Name of Equipment- DIGITAL HARDNESS TESTER.

Description	Specifications
Quantity	1 No's
Diameter or thickness of tablet	2 mm to 25 mm
Hardness	The hardness should be measure in Kilogram(kg), Newton(N), kilopond(kp)
Accuracy	+0.1 kg
Features	<ol style="list-style-type: none">1. The tester should microcontroller base system with back light 2 lines (16 characters) LED display.2. Report generation and printing facility should be available.3. Storage of 50 no's of tablet result.4. Printer5. The tester should be providing the removable tray with small brush to clean the sample tablet.6. The tester should easy to operate, and easy to calibrate
Documentation	Test certificate of material, DQ,IQ,OQ, Operational and troubleshooting manual

Name of Equipment- DT MACHINE.

Description	Specifications
Quantity	2 No's
Type	Double Basket
Bath capacity	10 liters
Temperature	20 to 50 degree C
Accuracy	0.3 degree C
Stroke	30 stroke per min, 55 mm
Timer range	99 hrs.59min.59sec
Features	<ol style="list-style-type: none"> 1. The DT machine should microcontroller base system with back light 4 lines LED display. Display shows real time, set Elapse time, Bath/Beaker temperature on screen. 2. Report generation and printing facility should be available. Report printout consist date, time, calibration date, next calibration due date, online validation of basket/beaker temperature. 3. The machine should be providing auto parking system of the basket after test is over.
Documentation	DQ, IQ, OQ, Operational, maintenance and troubleshooting manual.

Name of Equipment- LEAK TEST APPARATUS.

Description	Specifications
Quantity	2 No's
Desiccators diameter	300mm
Vacuum level	600 mm of Hg
Timer	0 to 99 minutes
Features	<ol style="list-style-type: none"> 1. The apparatus housing should be in SS 304with mirror finish. 2. The apparatus should be providing Oil free vacuum pump. 3. All component should be complies with USP/EP requirement. 4. Test report printing facility should be available. Test report consist date, time, user ID, sample ID, No of samples, Batch No, set vacuum, set time, trip vacuum, remark, and signature etc
Documentation	DQ, IQ, OQ, Operational, maintenance and troubleshooting manual.