

Corrigendum No: 1 Issued on dated 01/02/2014

Ref: Tender Enquiry No: HLL/PCD/IMPCL-04(RT)/13-14 dtd. 04/01/2014 and Pre-Bid meeting held on 16/01/2014 at HLL Lifecare Ltd., B-14A, Sector-62, Noida - 201 307.

The following amendments are issued with respect to the above tender Enquiry Document.

1. For:

SECTION-VII

TECHNICAL SPECIFICATIONS

TABLET SECTION

ITEM SL No.1

POWDER FILLING MACHINE AUGER TYPE COMPLETE LINE BOTTLE SEALING

LABELING MACHINE FOR ROUND BOTTLE AND UPTO 200 GRMS FILLING.

1(A) For:

PART - AUTOMATIC BOTTLE / JAR AIR & VACUUM CLEANING MACHINE (INVERTER TYPE) WITH TURN TABLE

- Automatic Air Jet Cleaning Machine ● Turn Table size : 900-1000mm.
- Machine speed : 120 BPM approx.
- Machine with levelling leg, in feeder star wheel, in feeder inverter, out feeder inverter, machine gear box with suitable motor and turn table gear box with suitable motor.

Material of construction

- Machine levelling leg SS 304, in feeder star wheel, in feeder inverter, out feeder inverter cast Nylon, turn table SS 304.
- Control panel with VFD ,on off switch, warning lamp with safety features etc.
- Motors with suitable gearbox (Bonfiglioli /ABB/ Rotomotive /Equivalent)

Power Characteristics:

- Supply voltage : 415 V AC, 3 Phase , 50 Hz +/- 2%
- pneumatic :Compressed air Pressure - 5 to 6 Bar approx. Filter housing, solenoid valves, low air sensor.

1(A) Read As:

PART -AUTOMATIC BOTTLE / JAR AIR & VACUUM CLEANING MACHINE (INVERTER TYPE) WITH TURN TABLE

- Automatic Air Jet Cleaning Machine ● Turn Table size : 900-1000mm approx.
- Machine speed /output : 40-60 BPM for 0-50 grams,30-40 BPM for 100 grams,15-30 BPM for 200 grams.
- Machine with levelling leg, in feeder star wheel, in feeder inverter, out feeder inverter, machine gear box with suitable motor and turn table gear box with suitable motor.

Material of construction

- Compact unit made up of SS 304, Machine levelling leg SS 304, in feeder star wheel, in feeder inverter, out feeder inverter cast Nylon, turn table SS 304.
- Control panel with VFDs make Allen Bradley/Equivalent, on off switch, warning lamp with safety features, DOL starter ,Vibration control arrangement, Noise control arrangement wherever required etc.

HLL Lifecare Ltd.

- Motors with suitable gearbox (Bonfiglioli /ABB/ Rotomotive /Radicon/Equivalent)

Power Characteristics:

- Supply voltage : 415/220 V AC, single and Three Phase , 50 Hz +/- 2% where ever required.
- pneumatic :Compressed air Pressure - 5 to 6 Bar approx., Filter housing, solenoid valves, low air sensor, Tube etc.

1(B) For:

PART -AUTOMATIC DOUBLE HEAD TYPE POWDER FILLING MACHINE WITH CHANGE PARTS.

- Output 60-80 Fills/Minute approx ● Numbers of Head 2 – Head Auger
- Fill capacity 20gm -200gm (0-50,50-100, 200 gm) . In Single Stroke with the help of dosing time and/ with the help of Change Parts.
- Accuracy $\pm 1 - 3 \%$ and Conveyor Height : 850 mm ± 50 mm.
- PLC with HMI ,Servo Drive for Auger & Star Wheel, Suitable for any size of Bottle. Suitable for any Fill size, A. C. Frequency Drive, No Bottle No Fill System, panel with safety features.
- Change-over of Bottle dia. (Star Wheel), For Change-over of Filling weight auger, funnel. Polycarbonate Cabinet with S.S. Frame Structure Covering full machine [Four Sides]

Power Characteristics:

- Power Supply : 415 Volts, 3 Phase, 50 Hz. ●Compressed Air supply : Max. 3-4 Kg/Cm²/ 4-5 CFM approx.

Container Size:

Diameter: 25 to 100 mm, Height : up to 150 mm approx.

Material of Construction:

MOC- Machine frame is made of S.S. 304 Square Pipe with S.S. 304 Sheet. Powder Hopper should be SS316 mirror finish from inside and matt finish from outside. Powder Hoppers are fitted on respective Filling Heads. Powder Hoppers contain main agitator and to drive , Hopper is connected to Separate drive. Powder auger are made out from SS 316 material fitted on Shaft of filling head.

1(B) Read As:

PART -AUTOMATIC DOUBLE HEAD TYPE POWDER FILLING MACHINE WITH CHANGE PARTS.

- Output 40-60 BPM for 0-50 grams,30-40 BPM for 100 grams,15-30 BPM for 200 grams Fills/Minute approx . with bulk density 0.2-0.4 of powder ● Numbers of Head 2 – Head Auger
- Fill capacity 20gm -200gm (0-50,50-100, 200 gm) . In Single Stroke with the help of dosing time and/ with the help of Change Parts.
- Accuracy $\pm 1 - 3 \%$ and Conveyor Height : 850 mm ± 50 mm.
- PLC with HMI ,Servo Drive for linear/rotary type, Suitable for any size of Bottle. Suitable for any Fill size, A. C. Frequency Drive, No Bottle No Fill System, No fill No pass type mechanism,panel with safety features, Vibration control arrangement, Noise control arrangement where ever required.
- S.S. Frame Structure Covering full machine [Four Sides]

Power Characteristics:

- Power Supply : 415/230 Volts, Single/three Phase, 50 Hz. ●Compressed Air supply : Max. 4-6 bar approx.

Container Size:

Diameter: 22 to 100 mm approx., Height : up to 240 mm approx.

One set of bottle will be provided to successful bidder(s).

HLL Lifecare Ltd.

Material of Construction:

MOC- Machine frame is made of S.S. 304 Square Pipe with S.S. 304 Sheet. Powder Hopper should be SS316 mirror finish from inside and matt finish from outside. Powder Hoppers are fitted on respective Filling Heads. Powder Hoppers contain main agitator and to drive, Hopper is connected to Separate drive. Powder auger are made out from SS 316 material fitted on Shaft of filling head.

1(C) For:

PART -AUTOMATIC SINGLE HEAD SCREW CAP SEALING MACHINE WITH CHANGE PARTS FOR DIFFERENT SIZES.

- Capacity/ Output 40-60 Bottles/min approx.

Pulse Counter, Photocell Control unit for NO CAP - MACHINE STOP, A/C Frequency Drive, Suitable for any one size of bottle and its cap. Polycarbonate Cabinet with S.S. Frame Structure (Covering full machine Four Sides)

Changeover of Each Bottle Diameter with Star wheel & back guide, Changeover of Each Cap Size with Bowl for Cap Feeder, Cap Delivery Chute, Chuck etc.

- SS 304 slat Conveyor for the movement of the bottles on the equipment. Star Wheel for transferring the bottles from the conveyor to capping section and back from capping section to conveyor. Capping Section is the central portion pushes the cap and the rollers press the cap. Main Drive is the conveyor, star wheel, Turret movement are driven by motor & gearbox assembly through chain & sprocket arrangements of different size. Capping Section Movement The up & down movement of the capping section is through cylinder cam and follower arrangement. While rotating movement of the head is from the main drive assembly through chain & sprocket arrangement. Cap Hopper is placed at inclined position for smooth transfer of caps from the hopper to top of the bottle through cap releasing chute Sensors to sense the presence of cap in the cap releasing chute and interlock with ON / OFF cap hopper vibrator.

- Drive Assembly :- Conveyor, star wheel, head rotation and head up / down movement are driven by a motor. Main motor of suitable type and make – Bonfiglioli / Rotomotive /Equivalent make Motor. The drive is transmitted to the Conveyor, Star Wheel, Head Rotation, Head Up/Down movement by chain sprocket arrangement of different ratios. The lifter head up/down movement is through follower and cylindrical cam arrangement.

Material of construction

- Operating Panel & control panel SS 304 sheet with standard controls mounted on machine.
- Stand:-The stand is made of SS, The support legs are of round cross section. The support legs are made of SS 304. The machine is mounted on mounts.

Power Characteristics

- Electrical Supply : 230 Volts, A/C., Single Phase, 50 Hz.

Input Specifications:

- Container Dia. : 25-45mm Container Height : upto 75mm Cap Dia. : 20mm, 25mm & 32mm (with the help of change parts) head : ROPP/HDPE (Extra head to be provided)

1(C) Read As:

PART -AUTOMATIC FOUR HEAD SCREW CAP SEALING MACHINE WITH CHANGE PARTS FOR DIFFERENT SIZES.

HLL Lifecare Ltd.

- Capacity/ Output : 40-60 BPM for 0-50 grams,30-40 BPM for 100 grams,15-30 BPM for 200 grams approx.

Pulse Counter, Photocell Control unit for NO CAP - MACHINE STOP,A/C Frequency Drive, Suitable for any one size of bottle and its cap. S.S. Frame Structure(Covering full machine Four Sides),DOL starter, Vibration control arrangement, Noise control arrangement where ever required.

- Drive Assembly :- Conveyor, star wheel, head rotation and head up / down movement are driven by a motor. Main motor of suitable type and make – Bonfiglioli / Rotomotive /Equivalent .The drive is transmitted to the Conveyor, Star Wheel, Head Rotation, Head Up/Down movement by chain sprocket arrangement of different ratios. The lifter head up/down movement is through follower and cylindrical cam arrangement .

Material of construction

- Operating Panel & control panel SS 304 sheet with standard controls mounted on machine .
- Stand:-The stand is made of SS 304, The support legs are of round cross section. The support legs are made of SS 304.The machine is mounted on mounts.

Power Characteristics

- Electrical Supply : 415/230 Volts, Single/Three Phase, 50 Hz. ●Compressed Air supply : Max. 4-6 bar approx.

Input Specifications:

- Container Dia. : 22-100mm approx. Container Height : upto 240mm approx. Cap Dia. : 20mm, 25mm & 32mm approx .(with the help of change parts) Four head : ROPP/HDPE (Extra head to be provided)

1 (D) For:

PART -VISUAL INSPECTION TABLE

- Visual Inspection Table Having 4 FEET Length approx , SS 304Slat Conveyor, Black & White Board with suitable motor & Gear Box with magnify glass and tubes.

Material of Construction:

Main Frame S.S. 304 Square Pipe, Conveyor Side Plate ,end plates, spacer, shaft ,mounting studs with S.S. 304

Conveyor Belt , Chain Sprockets Nylon , Rollers Nylon, Roller Pin S.S. 304, Main Roof & Cover S.S. 304, Control Panel S.S. 304 Sheet etc.

- Main Motor with suitable Gear box (Bonfiglioli / Rotomotive /Equivalent)
- A.C. Frequency Drive Delta/equivalent make

Power Characteristics

- Electrical Supply : 230 Volts, A/C., Single Phase, 50 Hz.

Safety Features:

Motor Overload : Through A.C. Drive & MCB.

1(D) Read As:

PART -VISUAL INSPECTION TABLE

Deleted –Not required

1(E) For:

Part -AUTOMATIC HIGH SPEED SELF ADHESIVE (STICKER) LABELING MACHINE (DIFFERENT BOTTLES) WITH DIFFERENT CHANGING ITEMS

HLL Lifecare Ltd.

Automatic High Speed Self Adhesive (Sticker) Round Container Labeling Machine for Labeling on HDPE, LDPE, PET Glass & Aluminum Containers etc. PLC with MMI,A.C. Frequency Drive, SERVO Driven Label Dispensing Unit, LABEL Roll Ending Alarm, NO Container – NO Label System,50 to 120 Containers Per Minute approx. direction left to right, Ink Roller Type Printer, Self Adhesive Winding Unwinding & Counting, panel with safety features.

Material of Construction:

- Main Frame S.S. 304 Box Pipe with S.S. 304 Sheet ,Top Plate with S.S. Sheet, Supporting Pipes SS 304 Pipes, Conveyor Side Plates, Conveyor Top Plate S.S. 304 Sheet ,Conveyor Belt P.U. Endless Type.
- Guide Rails , Guide Rail Studs , Conveyor End Plates, Conveyor Spacers, Conveyor Mounting Studs, Conveyor Shafts, of S.S. 304 , prefer Pressing Rollers of Aluminium, prefer Conveyor Rollers Aluminium etc. Bearing Covers S.S. 304, Pressing Belt Sandwich Belt , Pressing Belt Supp. Plate S.S. 304 ,Bottle Separator Aluminium covered with Silicon Rubber , Bottle Separator Housing S.S. 304 , Label Dispenser Alu.Plates, Alu.Rollers, Alu. Housings, S.S. 304 Shafts, S.S. Spacers ,Label Puller Aluminium Roller moulded with Rubber , Pinch Roller Aluminium, prefer Dispenser Lifting Device Anodized Aluminium Block with Shaft (Preferred)
- All Bearings SKF/Equivalent.
- Main Motor & Gear box (Bonfiglioli / Rotomotive/ABB/Equivalent)
- A/C. Frequency Inverter (Drive) Delta /Equivalent
- Dispenser Motor Panasonic (Servo) /Equivalent.
- Servo Drive - Panasonic /Equivalent
- Product/Label Sensors Datalogic/Equivalent
- All Cables & Wire Lapp / Finolex / Chetan/Equivalent
- PLC advance arrangement with Micro Controller
- Cabinet Polycarbonate /Equivalent.

Power Characteristics

- Electrical Supply : 230 Volts, A/C., Single Phase, 50 Hz.

1(E) Read As:

Part -AUTOMATIC HIGH SPEED SELF ADHESIVE (STICKER) LABELING MACHINE (DIFFERENT BOTTLES) WITH DIFFERENT CHANGING ITEMS

Automatic High Speed Self Adhesive (Sticker) Round Container Labeling Machine for Labeling on HDPE, LDPE, PET Glass & Aluminum Containers etc. PLC with MMI,A.C. Frequency Drive, SERVO Driven Label Dispensing Unit , LABEL Roll Ending Alarm, NO Container – NO Label System,50 to 120 Containers Per Minute approx. direction left to right, Ink Roller Type Printer, Self Adhesive Winding Unwinding & Counting, panel with safety features, Vibration control arrangement, Noise control arrangement where ever required.

Material of Construction:

- Main Frame S.S. 304 Box Pipe with S.S. 304 Sheet ,Top Plate with S.S. Sheet, Supporting Pipes S.S. 304 Pipes, Conveyor Side Plates, Conveyor Top Plate S.S. 304 Sheet ,Conveyor Belt P.U. Endless Type .
- Capacity/ Output : 40-60 BPM for 0-50 grams,30-40 BPM for 100 grams,15-30 BPM for 200 grams approx. with suitable motors (ABB/Equivalent).

Power Characteristics

- Electrical Supply : 415/230 Volts, Single/three Phase, 50 Hz. .
- pneumatic :Compressed air Pressure - 5 to 6 Bar approx

1(F) For:

PART -PACKING CONVEYOR BELT

Packing Conveyor Belt Having 10 FEET Length & PVC Coated Belt w 9 inches x2mm thick with A/C Drive

- Main motor with suitable Gear Box Bonfiglioli Make / Rotomotive/equivalent Make ,A.C. Frequency Drive Allen Bradley/equivalent .

Material of Construction:

- Main frame S.S. 304 pipes 32"x32"x16 g, sheet 16 g in single piece, All shaft S.S. 304 , All Rollers S.S. 304 , Belt P.V.C. coated.

Power Characteristics

- Electrical Supply : 415 Volts, A/C., three Phase, 50 Hz.

1(F) Read As:

PART -PACKING CONVEYOR BELT

Packing Conveyor Belt Having 10 FEET Length & PVC Coated Belt w 9 inches x2mm thick with A/C Drive

- Main motor with suitable Gear Box ,A.C. Frequency Drive for controlling of required speed according to output .

Power Characteristics

- Electrical Supply : 415/230 Volts, Single/three Phase, 50 Hz.

Added As:

1(G) Added As:

PART -INDUCTION CAP SEALING SYSTEM WITH CONVEYOR

Capacity/ Output : 40-70 BPM for 0-50 grams,40-70 BPM for 100 grams,40-70 BPM for 200 gram approx.

The conveyor belt of 5 feet approx. with VFD.

Power Characteristics

- Electrical Supply : 415/230 Volts, Single/three Phase, 50 Hz.

For all above section parts make given below as

- All Bearings- SKF/NTN/Equivalent.
- Main Motor & Gear box - Bonfiglioli / Rotomotive/ABB/Radicon/Equivalent
- VFD- Allen bradley /Equivalent
- Servo Drive - Panasonic /Equivalent
- Product/Label Sensors- Datalogic/Equivalent
- All Cables & Wire- Lapp / Finolex /Equivalent
- PLC advance arrangement with Micro Controller- Allen Bradley/Equivalent

Changes parts of one set for 0-50,100,200 grams bottle included above machine.

Extra change parts of one set for 0- 50,100,200 grams bottle to be quoted.

2. For:

SECTION-VII

TECHNICAL SPECIFICATIONS

ITEM SL No. 2

CAPSULE POLISHING WITH AIR DISPLACEMENT UNIT COMPLETE WITH VISUAL INSPECTION AND AUTO DETECTION/REJECTION

SR.NO.	DESCRIPTION	SPECIFICATION
1	Purpose	Clean and maintenance of capsule using Capsule polishing with vacuum pump for dust extraction. Compact Air Displacement unit act as a dust extraction unit is used for collecting loose powder from the polishing chamber . Quick Clamping arrangement for vacuum chamber lid Large surface area for air filtration due to pleated filter bag Provision for shaker to remove powder from filter bag.

Read As:

CAPSULE POLISHING WITH AIR DISPLACEMENT UNIT AND CAPSULE SORTER

SR.NO.	DESCRIPTION	SPECIFICATION
1	Purpose	Clean and maintenance of capsule using Capsule polishing with vacuum pump for dust extraction. Compact Air Displacement unit act as a dust extraction unit is used for collecting loose powder from the polishing chamber . Quick Clamping arrangement for vacuum chamber lid Large surface area for air filtration due to pleated filter bag Provision for shaker to remove powder from filter bag. And capsule tablet sorter for inspection of capsule upto 90,000 products/hr approx.

HLL Lifecare Ltd.

3. For:
SECTION – XV
BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

Read As:
SECTION – XV
BANK GUARANTEE FORM FOR PERFORMANCE SECURITY /ADVANCE

4. For:
SECTION – 1
NIT

Sl. No.	Short Description of Item	Qty	EMD (Rs.)
A	CAPSULE CHURAN POWDER SECTION		
2	CAPSULE POLISHING WITH AIR DISPLACEMENT UNIT COMPLETE WITH VISUAL INSPECTION AND AUTO DETECTION	1	7800

Read As:
SECTION – 1
NIT

Sl. No.	Short Description of Item	Qty	EMD (Rs.)
A	CAPSULE CHURAN POWDER SECTION		
2	CAPSULE POLISHING WITH AIR DISPLACEMENT UNIT AND CAPSULE SORTER	1	18000

HLL Lifecare Ltd.

5. For:
SECTION – 1
NIT

Tender Enquiry No.: HLL/PCD/IMPCL-04(RT)/13-14

Dated 04.01.2014

(2) **Tender No.:** HLL/PCD/IMPCL-04(RT)/13-14

Sl. No.	Description	Schedule
vi.	Closing date & time for receipt of Tender	10.02.2014 at 2pm (IST)
vii.	Time and date of opening of Techno – Commercial tenders	10.02.2014 at 2.30 pm (IST)

Read As:
SECTION – 1
NIT

Tender Enquiry No.: HLL/PCD/IMPCL-04(RT)/13-14

Dated 04.01.2014

(2) **Tender No.:** HLL/PCD/IMPCL-04(RT)/13-14

Sl. No.	Description	Schedule
vi.	Closing date & time for receipt of Tender	17.02.2014 at 2pm (IST)
vii.	Time and date of opening of Techno – Commercial tenders	17.02.2014 at 2.30 pm (IST)

.....END.....