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REQUEST FOR PROPOSAL (RFP)

Supply, installation, testing & commissioning of “laundry equipment” in newly constructed cancer care hospitals at different locations in Assam

Tender Ref No. ACCF/Laundry equipment/25-26/98 Date:25/04/2025

CORRIGENDUM-1

Date: 07-05-2025

Pre-Bid Query Resolution

No	Tender term no and pg. no	Tender terms	Changes / amendment / clarification required	ACCF Clarification / Amendment
1	Clause: 1.3.5	The Applicant is required to submit the hard copies of selected key documents of the technical proposal within due date of submission of the proposal.	Request to be amended as within 5 days from the last date of bid submission.	Being an online tender where bidders need to submit their documents and EMD online. Hardcopy submission is not required
2	Clause 2.2.2	Preference to Local MSME Unit: Preferences under Procurement Preference (Amendment) Policy, Assam, 2017 shall be given only to local (registered in Assam) MSMEs for supply of the goods manufactured and services rendered by the unit in Assam.	MSME Preference be extended to units situated PAN India	No Change
3	Clause SECTION-III 3. Tender Details Point-3	Performance Security 5% of the contract/order value (from the successful bidders). Bidder is required to submit 2% of the rate contract value initially and balance 3% at the time of issue of Purchase/Work Order against each PO of that PO value.	Request to be amended as 3% of the order value since the PBG remains valid for a substantial time.	No change

No	Tender term no and pg. no	Tender terms	Changes / amendment / clarification required	ACCF Clarification / Amendment
	Clause 4.2.1	Completion of Installation and Commissioning.- 60 days from date of issuance of Work Order.	Request to be amended as at least 90 days from date of issuance of Work Order.	Site wise work order will be issued as per readiness of the sites. Individual sites need to be completed in 60 days
1	Clause 4.2: Prescribed Timeline 4.2.1	Completion of Installation and Commissioning.: 60 days1 from date of issuance of Work Order.	The installation & commissioning comprise process from Manufacturing, Testing , Installation & Commissioning therefore the 60 days time is too short for 7 locations sites. . We request you to kindly give at least 16 weeks of time from work order	Site wise work order will be issued as per readiness of the sites. Individual sites need to be done in 60 days
	Clause 4.2.8	Payment shall be released within 45 days of receipt of Bill. Bill can be raised only after obtaining the certificate of completion from the project, Site Engineer, PMC, Contractor..	There will be some time taken already for getting the certificate of completion from the project, Site Engineer, PMC, Contractor. 45 days thereafter is a long period and hence be made within 15-20 days	No change.
	Clause 4.2.9	Maximum time to attend any Repair call- Within 24 hours	At least 48 Hours be given since the site may be distant and the call for service maybe raised during the closing hours of the day.	Maximum time to attend any Repair call- Within 24 hours
	Clause 5.1.2	Eligibility Criteria: The Bidder should have experience of successful execution of similar assignments/contract of value (cumulative total) not less than Rs 2.00 Crs (Rupees two Crores) of supply, installation and commissioning of “Laundry Equipment” of any Government, PSU or Corporate Hospitals during last three financial years i.e., 2023-24, 2022-23, 2021-22. The Work Order copies in support of that in last 3 financial years furnished (As per Format T9.	We request you to amend this clause as follows:- The Bidder should have experience of successful execution of similar assignments/contract of value (cumulative total) not less than Rs 2.00 Crs (Rupees two Crores) of supply, installation and commissioning of “Laundry Equipment” of any Central Government/ State Government/PSU/ Public listed company/ Private Sector/ Universities/ Reputed Higher Educational Institution during	No Change

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			<p>last three financial years i.e., 2024-25, 2023-24, 2022-23, The Work Order copies in support of that in last 3 financial years furnished (As per Format T9):</p> <p>The proposed amendment is requested to ensure that the qualification criteria are inclusive of all potential bidders with relevant experience in sectors that maintain rigorous procurement and quality standards. This change will open the door to a wider pool of experienced bidders, including those from reputable private sector entities, public listed companies, and higher educational institutions, who possess the necessary expertise to deliver the required laundry equipment services at the highest standards.</p>	
2	Eligibility Criterion mentioned vide clause 5.1.1 & 5.1.2	<p>5.1.1 The Bidder should be an entity registered under relevant laws in India and manufacturer (OEM) of Laundry equipment. A foreign manufacturer (not registered in India) can participate only through its Indian subsidiary (100%). In case of 100% Indian subsidiary then the turnover and experience of the principal company shall be taken into consideration.</p> <p>5.1.2. The Bidder should have experience of successful execution of similar assignments/contract of value (cumulative total) not less than Rs 2.00 Crs (Rupees two Crores) of supply, installation and commissioning of "Laundry Equipment" of any Government, PSU or Corporate Hospitals during last three financial years i.e., 2023-24, 2022-23, 2021-22. The Work Order</p>	<p>It is confusing, definitely it is good practice to give an equal opportunity to both Indian & Imported equipment, but in actual main cost of this tender comprise the cost of 320 G Barrier Washer Extractor with all the best features which is mostly imported & this machine is generally imported but the balance rest of machines can be fabricated indigenously. Indian Barrier washers are yet to prove their efficacy & endurance.</p> <p>Generally these machines are Imported & maintained by their 100% longtime authorized Indian subsidiaries. Depending upon situation</p>	No changes

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		copies in support of that in last 3 financial years furnished (As per Format T9.	the orders are completed through their specialized fabricators/ local contractors of the sites of these subsidiaries which not only is helpful in executing the job but smooth service due to location benefit. Therefore, we would suggest the experience of 100% Indian subsidiaries should be taken into account while Evaluating the tenders.	
	Clause 6.7.4	The cost of CMC and AMC shall be as follows unless asked for quote: - AMC will be 1% and CMC would be 4% of the Work Order/ Purchase Order Value (excluding GST). Thereafter, 3% increase every year over previous year value. Applicable GST shall be paid extra against valid GST Invoice. CMC charges will be taken into consideration for price bid evaluation	Request it to be amended as "The AMC & CAMC should be atleast 2% & 8%.	Specific quote for CMC has been asked in the BoQ. Bidder should quote CMC price in BoQ.
3	Clause 7: Technical Specifications	Basket Volume- 350 Ltrs.(Minimum)	a. Washer Extractor 30 Kg: The point "Automatic Drum Positioning for fast and effortless Loading and unloading operations" should deleted as this is the feature of Barrier washer extractor not washer extractor. also the drum volume given is minimum 350 liters whereas it should be 300 liters for 30 kg machine	Basket Volume- 300 Ltrs.(Minimum)

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	Clause 7.1	Technical Specification	We request you to amend this clause as follows: - "We kindly request you to upload an updated and synchronized list of items in the Technical Specifications and BOQ.	Refer Annexure **1 listed below
	Clause 7.2.1	For Manufacturer: The manufacturer shall have following ISO Certification a) ISO 9001-2000 (QMS)	Please also consider the latest version of it available with us ISO 9001:2015	For Manufacturer: The manufacturer shall have following ISO Certification a) ISO 9001-2000 (QMS), Iso 9001:2015
	Clause 7.2.1	Final Extract - More than 900 RPM or more	For a 30 Kg washer and a G-Force around 350 the Final Extract speed comes in between 800 - 840 RPM and should be modified accordingly.	Accepted.
	Clause 7.2.2	e. Outer Cabinet - Made of Stainless Steel sheet AISI-304, Welded structure, Finished with polishing	Request to be amended as made of MS welded structure with PU Paint finish	No Change

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	Clause 7.2.2	Basket Volume- 590Ltrs.(Minimum)	For a 30 Kg washer it should be minimum 600 Ltrs. In a 1:20 ratio. exact dry weight of 30 Kg Linen is fulfilled.	Basket Volume- 600Ltrs.(Minimum)
	Clause 7.2.9	The shelf trolley shall be designed for stacking and carrying finished linen from the laundry to the finished goods store. The base frame of the trolley shall be in Stainless Steel 304 construction with all welded joints ground & smooth finished out of heavy duty Stainless Steel tubes and bars. The trolley shall be fitted with at least 3 Nos. Stainless Steel shelves(2 shelves removable). The base frame shall be supported on 4 Nos. castor wheels min. 75 mm size of swivelling type	Request to be amended as the base frame of the trolley shall be in Stainless Steel construction	The shelf trolley shall be designed for stacking and carrying finished linen from the laundry to the finished goods store. The base frame of the trolley shall be in Stainless Steel 304 construction with all welded joints ground & smooth finished out of heavy duty Stainless Steel tubes and bars. The trolley shall be fitted with at least 3 Nos. Stainless Steel shelves(2 shelves removable). The SS base frame shall be supported on 4 Nos. castor wheels min. 75 mm size of swivelling type
	Clause 7.2.14	4 shelves; Made of Stainless Steel-AISI-304, Finished with Polishing	4 shelves; Made of Stainless Steel Finished with Polishing	No Change

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4	Demonstration	Demonstration of selected Equipment / Material/Item . (if Tender Inviting authority decided so): To be informed to those bidders whose bids are found to be technically responsive based on documents furnished in technical bid.	Also the Industrial laundry machines are heavy & require grouting before installing them to give demo , it would be better if this demo of the similar machine can be given at a working site as per your convenience & appointment.	Committee may visit existing installation site along with factory visit
	Clause 7.1.16	Validation software for the minimization of the cost and maximization of the uptime of the equipment and would ensure the following (running hours, idle time, consumption figures*, machine usage, total consumption, cost calculation etc.) - process validation (print of receipt) - maintenance intervals (actions are logged) - error alerts (recommend actions).	Request this be put under optional feature	No changes

Other terms and conditions of tender remain the same.

-Sd-

COO, ACCF/-

Annexure

Technical Specifications (ACCF/Laundry Equipment/25-26/98)

<u>SPECIFICATION OF LAUNDRY</u>	
1	<u>Washer Extractor 30 Kg (Front loading High spin -Electrical heated)</u>
	For washing cleaning and extraction
	Capacity -30 kg , ,
	Heavy duty, Clean Room Technology ,Soft Mount Type ,The machine shall be of “Soft Mount ,High Spin ” type. Features shall include heavy duty door for the linen .
	There should be single compartment drum for offering the best ergonomics and mechanical action
	Automatic Drum Positioning for fast and effortless Loading and unloading operations
	Automatic door locking and unlocking with pneumatic system for maximum safety and efficiency .
	Control - The machine shall be controlled with an electronic micro-processor with the following minimum features
	The control shall display remaining wash time, error codes and program status indication
	The display shall by of LCD-type, and shall be possible to display text and symbols
	Wash Programs: The machine shall have a capacity to store program “libraries” with up to 55 different wash programs. It shall be possible to automatically start a wash program at a certain time, max 99 hours delay.
	Validation software for the minimization of the cost and maximization of the uptime of the equipment and would ensure the following (running hours, idle time, consumption figures*, machine usage, total consumption, cost calculation etc.) - process validation (print of receipt) - maintenance intervals (actions are logged) - error alerts (recommend actions).

SPECIFICATION OF LAUNDRY

	Detergent supply: The machines shall be available for use with powder or liquid supplies, manual fed or automatic liquid supply via external pumps. No conversion between powder or liquid shall be needed. The manual dispenser shall have four compartments accessible from the front and the liquid connections from the rear.
	Out of balance detection: The out of balance shall be determined electronically and based on the out of balance, the machine shall be able to determine the maximum allowable speed for extraction up to 350G.
	Safety features: program to ensure that any wash program performs to its end before it allows unloading on the clean side for better control and Hygiene .
	Drive system: The machine shall have a motor powered by a variable frequency drive. There shall be no gearboxes, clutches or gear reducers.
	Water and drain: The machine shall be provided with two water inlets (Cold/Hot). The machine shall be provided with a water operated drain valve without any electrical parts for opening/closing.
	Electrical requirements: The machine shall be available in the following voltage configurations: 400-415V 3 phase(ELECTRIC HEATED).
	Serviceability: Major electrical components (timer, rotary switch, water-valves and door lock, as a minimum) shall be fitted with multi-position quick-connect “card-edge” type connectors for quick and easy servicing
	Dispenser - 4 compartment detergent dispensers
	Heating: Machine should have in build temp control and heating components.
	Basket Volume- 350 Ltrs.(Minimum)
	Final Extract - More than 900 RPM or more
	G-Force - 350 G or more
	Maximum Electric Load – 30 kw
	Electric supply - 415V, 3Ø,AC, 50hz
	Electric Motor rating should not be more than 9 H.P.

SPECIFICATION OF LAUNDRY

2	<u>Tumble Drier 30 Kg-Electrical heated</u>
	Capacity – 30 kg ,
	Heavy duty, Front Loading, Cool down Feature, Auto-timed, Auto-reversible, Auto digital temperature control, Dual Motor drive, Open Pocket & Front display
	a. Control - Microprocessor/PLC/Computer controlled
	b. Temperature - Auto digital control Controller
	c. Time - Auto digital control for drying and cooling Controller
	d. Inner Drum - Made of Stainless steel AISI-304 with 1.5 mm thickness of basket, CNC Perforated
	e. Outer Cabinet - Made of Stainless Steel sheet AISI-304, Welded structure, Finished with polishing
	f. Door - Made of die pressed Stainless steel AISI 304 quality, 1.5 mm thickness, Toughened glass window , SS door latch/handle and interlock for safety
	g. Door Opening - 500 mm Ø (Minimum)
	h. Basket Volume- 590 Ltrs.(Minimum)
	i. Suction Blower- Heavy duty Centrifugal Suction Blower and dynamically balanced
	j. Insulation - Glass wool duly packed on all sides & front of the drier to minimize the heat loss & saves energy
	k. Lint Screen - Self cleaning lint screen of Stainless Steel AISI-304. Facility of cleaning should be through front door
	l. All wet materials and components must be of AISI-304 Stainless steel
	m. All Stainless steel components should be TIG welded and highly polished.
	n. In-built Control Panel, Motor,
	o. It should have in build heating components.

SPECIFICATION OF LAUNDRY

3	<u>Flat Bed Press 1500mm*750 mm - Electrical heated</u>
	Suitable for linen like uniform, room furnishing, personal garments, Bed sheets & Pillow Covers
	Head & Bed Size- 1500X750mm
	Auto-timed, Auto-temperature controlled, Double Switch operation, Built-in Suction Blower, pneumatically controlled, electrically heated
	a) Head - Polished Stainless steel/High quality steel with Teflon coated/Nickel plated
	b) Main Body- Made of Mild Steel sheets of 1.5 mm thickness, Welded structure and finished with powder coating
	c) Rocker Arms- Should move on ball bearings. Front head weight should be counter balanced by Springs. A pneumatic cylinder should be attached to rocker arms for raising and lowering of the head.
	d) Bed- Large perforated bed with heat resistant Silicon/Molleton padding
	e) Blower – 0.6Kw or more Heavy-duty Suction Blower with powerful suction
	f) Safety - Emergency Stop of the machine with emergency switch. Automatic stopping of the machine for Finger guard for operator safety
	g) Control - Frontally placed. Automatic digital timed release of the head at preset time. Push Button for raising and lowering of the head pneumatically
	h) Temperature- Digital temperature controller
4	<u>Sewing machine(5000SPM) Make – Singer /USHA</u>
	Sewing Machine, fixed on the table.
	Electronic stitch Machine for wide range of materials from light to medium fabrics
	motorized sewing machine shall be heavy duty type with all metallic shuttle and moving parts.
	The machine shall be complete with mounting table with adequate space for placement and movement of garments to be stitched/mended.
	The machine shall have a table mounted drive motor foot pedal operated for convenience of operation with both hands free.

SPECIFICATION OF LAUNDRY

5	<u>Flat Work Drying Ironer. Chest Heated. Roller & Chest Size: Ø250 x 1500 mm length. Electric Heated. Front Feed, Front Return.</u>
	Flat Work Drying Ironer. Chest Heated. Roller & Chest Size: Ø250 x 1500 mm length. Electric Heated. Front Feed, Front Return.
	Roller: Made of steel. Precision machined with perforations throughout its length & periphery for moisture suction. Runs on self-aligning ball bearings. Padded with galvanized springs & double layer polyester padding.
	Ironing Chest: Sliding type. Precision machined, ground smooth and polished Chest moves back & forth through pneumatic cylinders at both sides. Perfect contact with the roller. Adjustable & uniform ironing pressure across the entire roll. Chest moves back automatically at the time of power failure or when the machine is stopped.
	Main Body : Made of steel. Hot painted. Full length wooden counter for linen feed. Full length, underneath linen collection tray.
	Drive : Single Motor working in conjunction with variable frequency drive. Roller is driven by an electric motor coupled with a reduction gear box unit which is lubricant packed & sealed. The final transmission is through sprockets & chain. Easy chain tensioning device.
	Controls: Push buttons to start & stop the machine. Auto digital temperature control. Rocker switch for forward-reverse chest rotation. Emergency stop push button. All controls at the front.
	Finger Safety Guard: Auto cut off by Duffle Roll for false feeding & finger safety.
	Moisture Suction Blower: Directly Mounted on to the hollowed suction side shaft of the roller.
	Padding: Galvanized coil type or leaf type springs covered with Heat Resistant Double Layer Polyester Padding of minimum 900GSM quality.
	Drive Motor & Gear Box: 0.37 KW, 415V, 3-Phase, AC. ISI Marked or Equivalent.
	Roller Speed: 1 to 4 meters per minute (Variable).
	Suction Motor: 0.2 KW
	Electric Heating Load: 4.5 / 9 KW
	Exhaust: Ø 40 mm
	Air Connection: Ø 6 mm (0.25" BSP), with Filter Lubricator & Pressure Regulator.
	Dimensions: Width:2100mm, Depth:500mm, Height:1030mm.
	Weight: 280 kg.

SPECIFICATION OF LAUNDRY

	Electric Supply: 415V ±5%, 3Phase, 50 Hz, AC.
6	<u>LAUNDRY SCRUB STATION WITH TWO SINKS.</u>
	Stainless Steel Construction. S.S Sinks with taps for wash and rinse using hot and cold water
	SS Scrubbing Board in between Sinks. Underneath Shelf. Size- 1600x500x900MM (W X D X H)
7	<u>AIR COMPRESSOR (if required)- Capacity to be selected as per the equipment requirements</u>
	a. The air compressor shall be multistage stage, fully automatic suitable for delivering dry compressed air at pressure compatible to Ironer, Falt bed press & Washer
	b. Drive - Belt driven with pulleys, belts and belt guard.
	c. Motor – 3HP.
	d. Electric supply- 415 V/ 3 Ph / 50 Hz/ AC/4P
8	<u>Soiled Linen Sorting Bins(10 Ltr)</u>

SPECIFICATION OF LAUNDRY



Suitable for carrying 36" Height X 20" Diameter capacity

10- **MOBILE LINEN HAMPER**

SIZE: 1000x700x750
 1.6 mm thick. S. S. sheet on all sides, Open design, 25mm Dia S.S. pipe frame with all sides 8mm Dia S. S. rod/pipe
 Welded to S.S. pipe frame at top & Bottom
 Welded base at approx. 25mm C/C vertically.
 25mm dia S.S. pipe handle.
 Four (4) No of Castors. 125 mm dia x 50 mm thick heavy-duty.

11 **Eyewash Sink**

SIZE : 285X200mm

- Wall mounted eye wash station.

SPECIFICATION OF LAUNDRY

	<ul style="list-style-type: none"> • Two GS-Plus spray heads.
	<ul style="list-style-type: none"> • 1/2" IPS chrome plated brass stay-open ball valve.
	<ul style="list-style-type: none"> • Internal flow control and filter to remove impurities from the water flow.
12	<u>SHELF TROLLEY(Finished goods)</u>
	Capacity -100kg
	The shelf trolley shall be designed for stacking and carrying finished linen from the laundry to the finished goods store. The base frame of the trolley shall be in Stainless Steel 304 construction with all welded joints ground & smooth finished out of heavy duty Stainless Steel tubes and bars. The trolley shall be fitted with at least 3 Nos. Stainless Steel shelves(2-shelves removable). The base frame shall be supported on 4 Nos. castor wheels min. 75 mm size of swiveling type
13	<u>MOBILE WORK FOLDING TABLE</u>
	Dimensions:4feetX2 Feet
	The folding table shall be specially designed for carrying rolling and folding of linen in the laundry. The frame of the table shall be fabricated out of MS welded construction with one bottom shelf for storage. Complete with heavy duty ball bearing for swiveling wheels. The table top shall be of polished Stainless steel.
14	Vacuum Finishing Table
	Specifications:
	Rectangular Table Top. Size : 1200 x 750 mm. Centrifugal Suction. Extended Exhaust Duct with Rack & Concealed Lighting Device.
	Main Body : Metallic. Hot painted. All components to be easily accessible.
	Table Top : Densely perforated aluminum plate padded with high porosity & heat resistant silicon padding & polyester cover.
	Table Heater : 1KW thermostatically controlled stainless steel tubular heater fitted below the aluminum table top to keep the padding dry at all times.

SPECIFICATION OF LAUNDRY

	Suction Blower : Heavy duty centrifugal blower driven by independent 0.37KW blower motor activated by spring loaded full length foot pedal.
	Exhaust : Extended exhaust duct with full length rack & concealed lighting device.
	Dimensions Width:1430mm, Depth:1090mm, Height:1300mm.
	Weight : 120 kg.
15	<u>TRANSPORTATION TROLLEY:</u>
	Capacity -50kg
	The dry linen trolley shall be designed in Stainless Steel construction with all welded joints ground & smooth finished out of Stainless Steel tubes and bars and foldable front.
	The base frame shall be supported on 4 Nos. castor wheels min. 75 mm size of swiveling type
16	<u>STORAGE RACK</u>
	Size - 1200mmx460mmx1800mm
	5 shelves; Made of Stainless Steel-AISI-304, Finished with Polishing
17	<u>Dispatch Counter -1200X900mm</u>
	Construction: Counter Top should be made of granite top with an appropriate size
	It should be aesthetically good
	Should be supplied with computer as per specifications given for the receiving counter.
	Should provision for placing CPU, UPS, Mouse, Keyboard, etc

SPECIFICATION OF LAUNDRY

18	<u>INDUSTRIAL WEIGHING MACHINE -100 Kg capacity</u>
	The weighing machine shall be heavy duty platform type with Digital display type weight indication.
	The platform for placement of buckets/goods for weighing shall be with steel casting with adjusting lever mechanism and knob for adjustment of error in machine.
19	Wash Sink minimum 400x 400 SS with swan neck tap
	Laundry Scrub Station- 2 Sinks: Stainless steel construction. Separate Sinks for wash and Rinse. Hot & Cold water Mixers with both Sinks. S.S. Scrubbing board in center of the Sinks & underneath Shelf. Overall Size : 1600 mm x 500 mm x 900 mm ht.
	Laundry Scrub Station- 1 Sink: Stainless steel construction. Separate Sinks for wash and rinse. Hot & Cold water Mixers with both Sinks. S.S. Scrubbing board in center of the Sinks & underneath Shelf. Overall Size : 1000 mm x 550 mm x 900 mm ht.
20	<u>Barrier Washer Extractor</u>
	<ul style="list-style-type: none"> Capacity -30 kg, For washing cleaning and extraction Double Door Heavy duty, Clean Room Technology, Soft Mount Type, The machine shall be of "Soft Mount, High Spin " type. Features shall include Double door (Front & rear) for Dirty & Clean Area for the linen. the machine would have 2 doors (Front & Rear) one for loading and another door for Unloading There should be single compartment drum for offering the best ergonomics and mechanical action Automatic Drum Positioning for fast and effortless Loading and unloading operations Automatic Outer door locking and unlocking with pneumatic system for maximum safety and efficiency Control - The machine shall be controlled with an electronic micro-processor with the following minimum features The control shall display remaining wash time, error codes and program status indication The display shall be of LCD-type, and shall be possible to display text and symbols Wash Programs: The machine shall have a capacity to store program "libraries" with minimum 20 different wash programs. It shall be possible to automatically start a wash program at a certain time, max 99 hours delay

SPECIFICATION OF LAUNDRY

- Validation software for the minimization of the cost and maximization of the uptime of the equipment and would ensure the following (running hours, idle time, consumption figures*, machine usage, total consumption, cost calculation etc.) - process validation (print of receipt) - maintenance intervals (actions are logged) - error alerts (recommend actions).
- Detergent supply: The machines shall be available for use with powder or liquid supplies, manual fed or automatic liquid supply via external pumps. No conversion between powder or liquid shall be needed. The manual dispenser shall have four compartments accessible from the front and the liquid connections from the rear.
- Out of balance detection: The out of balance shall be determined electronically and based on the out of balance, the machine shall be able to determine the maximum allowable speed for extraction to 320G or more. Upon detection of overload audio visual indicator shall be given.
- Safety features: program to ensure that any wash program performs to its end before it allows unloading on the clean side for better control and Hygiene.
- Drive system: The machine shall have a motor powered by a variable frequency drive. There shall be no gearboxes, clutches or gear reducers.
- Water and drain: The machine shall be provided with two water inlets (Cold/Hot). The machine shall be provided with a water operated drain valve without any electrical parts for opening/closing.
- Electrical requirements: The machine shall be available in the following voltage configurations: 400-415V 3 phase(ELECTRIC HEATED).
- Serviceability: Major electrical components (timer, rotary switch, water-valves, and door lock, as a minimum) shall be fitted with multi-position quick-connect "card-edge" type connectors for quick and easy servicing
- Dispenser - 4(minimum) compartment detergent dispensers
- Heating: Machine should have in build temp control and heating components.
- Basket Volume- 300 Ltrs.(Minimum)
- Final Extract - 830 RPM or more, G-Force - 320 G or more
- Electric Motor rating should not be more than 9 H.P.
- Electric supply - 415V, 3Ø, AC, 50hz, Maximum Electric Load – 30 kw

SPECIFICATION OF LAUNDRY	

_Note :

1. Electrical supply for laundry equipment will be provided from a single source, i.e., one panel consisting of multiple feeders as required. Further connections from this panel, along with accessories (Cable, Cable tray, terminations), are to be considered in the Bidder scope.
2. Water supply will be provided to the respective equipment on the wall/ceiling. Further connections and valves should be considered within the bidder's scope.
3. **The catalogue/TDS for the proposed model must be submitted along with the tender documents. Any deviations from our specifications should be highlighted at this stage.**