

TENDER

FOR

***CONSTRUCTION OF WAREHOUSE FOR SANITARY
NAPKIN PLANT AT HLL KANAGALA FACTORY,
BELGAUM***

**PART-III
PRICE BID**

**TENDER NO. HLL/ID/13/94
NOVEMBER 2013**

**HLL LIFECARE LIMITED
INFRASTRUCTURE DEVELOPMENT DIVISION**

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1 COMMERCIAL CONDITIONS

- 1.0.1 The tendered rate shall inter alia be deemed to include for the provision of all materials, process, operation and special requirements detailed in the particular specification irrespective of whether these are mentioned in the description of equipment schedule and Bill of quantities or not. It is an express condition of the contract that the tendered rates for various items in the Bill of Quantities shall be deemed to include for the full, entire and final condition of the contractor respective items of the works in accordance with the provision of the contract.
- 1.0.2 The tendered rate shall include for all taxes, duties, etc. as applicable and shall be quoted on the works contract basis for Construction of Warehouse for sanitary Napkin Plant at HLL Kanagala Factory, Belgaum
- 1.0.3 The quoted price shall be inclusive of all taxes and duties whether payable by the contractor or to be deducted at source. This shall include those applicable among VAT, Sales Tax, Income Tax, Customs Duty, Excise Duty, Turnover Tax, Service Tax, Work Contract Tax, Octroi, Labour Welfare Cess Or any Other Taxes and Duties prevailing in respect of this contract. ANY BID STATING THAT TAXES ARE EXTRA WILL BE SUMMARILY REJECTED.
- 1.0.4 The tendered rate shall remain firm and free from variation due to rise in the cost of materials/equipment, labour or any other reasons whatsoever during the contract period and valid extension on the case may be.
- 1.0.5 The quantum of excise duty included in the tendered price, the rate at which they were assumed etc. shall be indicated in the tender.

1.1 UNIT RATES

- 1.12 Only approved work will be measured on completion and priced as per rates quoted against the respective items.

1.2 BRIEF DESCRIPTION OF PRICING

- 1.2.1. Unforeseen difficulties for which provision has not been made in the tender will in no way relieve the successful tenderer from the full execution of the work.
- 1.2.2 The price quoted shall be the final amount for this finished work.

1.3 INCOME TAX

Any payment to the contractor as per contract will be made after deducting income tax as per the rules and regulations.

1.4 SALES TAX AND EXCISE DUTY

The tenderer shall clearly indicate sales tax, Excise and other duties as applicable in his offer for carrying out this work.

1.6. SUBMISSION OF BILL

- 1.6.1. The contractor shall from time to time prepare and submit interim bills of the work executed and on completion of the contract, he shall prepare and submit the final bill. The measurements sheets in support of the interim and final bills shall be prepared by the contractor on the basis of measurements taken by him jointly with the project engineer and the said measurement sheets shall be submitted by him with the relevant bill.

1.7. EXTRA ITEMS

The contractor is bound to carry out any items of work necessary for the completion of the job even though such items may not have been included in the schedule of probable quantities or rates, such items being necessary or essential for completing the job. Variation order in respect of such additional items and their quantities will be issued in writing by the employer.

- 1.7.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of work and on completion including that of the sub-contractors and special tradesman and all materials condemned by the project engineer shall be cleared and removed from the site by the contractor without any extra charge.

1.7.2 All measuring steel taps, scaffolding, ladders instruments and tools that may be required for taking measurements shall be supplied by the contractor.

1.8. OVER TIME WORK

If the contractor is required to work night or on holidays in order to maintain the time schedule he shall take prior approval from the Engineer-in-charge. He should also provide and maintain at his own cost sufficient lights as may be necessary to enable the work to proceed satisfactorily during the night.

1.8.1. The contractor shall give full facilities to all other contractors working on site. He shall also arrange his programme of work so as not hinder the progress of other trades. The decision of the Engineer-in-charge on any point of dispute between the various parties shall be final and binding.

1.8.2. It is specifically pointed out that the contractor shall not be entitled to any compensation whatsoever on account of delay in procurement or supply of controlled materials and the rates quoted in the contract are fixed till the completion of the contract.

1.8.3. The contractor shall co-operate with other agencies appointed by the owners for the work to proceed smoothly with the least possible delay and to the satisfaction of the owners, architects and the consultants.

1.8.4. The owners shall provide a source for power supply at one convenient point at site. The contractor shall at his own cost install a separate meter at the said source and lay additional cables from the said source also at his own cost. For the electricity consumed by the contractor he shall pay the owner the actual cost at the rate charged by the local authority for power for constructional purposes. The contractor shall also obtain the necessary permit for utilizing power for constructional purposes.

2. SPECIAL CONDITIONS

2.1. Scope of Work

The scope of work is to construct a pre-engineered steel building adjacent to the existing SNP building including Design, Engineering, and Preparation of erection drawings, manufacture, supply, loading, transportation, unloading and erection of the Pre-Engineered Building.

The following are also included in the scope of work:

- Rigid frame structural work for columns, rafters with end plates, purlins, girders etc.
- The roof of the new extended portion is to span from the column of the existing building and the structure shall be designed accordingly. The existing column may be stiffened if found structurally required.
- Intermediate Columns may be provided for the mezzanine floor with spacing not less than 4 m, since the existing columns are not designed for the mezzanine floor.
- All necessary flashings, trims, eave gutters and downspouts
- Roofing & wall cladding with pre-coated GI sheets. Wall sheeting/cladding of existing building is to be removed and reused. The roof sheeting profile should match with the existing building to the extent possible.
- Structural hardware & sheeting fasteners
- End lap sealant & bracing
- Anchor bolts and templates for the foundation
- 2 mm thick polycarbonate or Fibre glass day light panel
- Framed opening & canopy system

All primary and secondary structural members shall be supplied with two coats of zinc chromate primer and two coats of synthetic enamel paint (brush applied) at site. Two framed openings are to be provided – One on the south side and one for entrance. Existing canopies are to be dismantled and one of the canopies is to be reinstalled over the south side opening of the proposed building.

- Brackets of appropriate sizes are to be provided to support the utility pipe lines & electrical cable trays in the building.
- Turbo ventilators of reputed make provided in the roof of the building
- The design document is to be reviewed by reputed universities and should be submitted in hardcopy (3 sets) as well in softcopy (DWG format).
- Quote for the unit against the schedule, along with all options. The price is to include all spare parts; documentation; packing; freight charges; start-up & commissioning, and charges whatsoever required to complete the task in all respects to ensure the building in accordance with the requirements of design documents.

EXECUTION WORK

2.2. The whole of the work as described in the contract (including bills of materials, specification and all drawings pertaining thereto) and as advised by the Engineer-in-charge from time is to be carried out and completed in all parts to the entire satisfaction of the Employer. Any minor details of construction which are obviously and fairly intended, or which may not have been definitely referred to in this contract, but which are usual construction practice and essential to the work, shall be included in this contract.

2.3. CERTIFICATE OF COMPLETION

2.3.1 The contractor shall intimate to the Engineer-in-charge in writing as and when the works are completed and put into beneficial use in order to enable the consultants to check certify to the owners to take over the plants.

2.3.2 The work shall not be considered as completed and put into beneficial use until the consultants have certified in writing that the same has been completed and put into beneficial use.

2.3.3 The defects liability period shall commence from date of such completion or any specific date mentioned therein.

2.4 Payment Terms

- i. 25 % of the contract value as advance against bank guarantee for equal amount and submission of Performance Security of 5% of contract value. The advance above bear simple interest at the rate of 10 per cent per annum.
- ii. 25% - on prorata basis on delivery of materials at site
- iii. 50% - upon successful erection and commissioning at site

2.5 Documentation:

Once appointed, the contractor shall provide the following:

1. List of makes / components
2. Shop drawings
3. As Built drawings
4. Structure Co-ordination drawing for approval before execution

TECHNICAL SPECIFICATIONS

Type	Tapered Column Clear Span
Width	17.50 m l/l of steel line
Length	72m C/C of steel line
Eave Height	6 m clear under the Knee
Width Module	1 @ 17.50 m
Roof Slope	1 in 10 (The slope of the roof of extension shall match with the existing building)
Bay Spacing	9 @ 8m spacing
Front end frame	Standard Post and Beam
Back end frame	Standard Post and Beam
Wind Bracing on roof	Diagonal Rod Bracing
Wind Bracing on wall	Diagonal Rod Bracing /Angle bracing (as per design) on LSW & PORTAL BRACING on RSW
Openings at front sidewall	3.0M Brick Wall & sheeted above
Openings at back sidewall	3.0M Brick Wall & sheeted above
Openings at left end wall	3.0M Brick Wall & sheeted above
Wall Panels	26 G thick Hi-Rib SMP Coated Galvalume 550MPa
Roof Panels	26 G thick Single skin Hi Rib Bare Galvalume 550Mpa steel
Fasteners	Mechanically galvanized Hex-Washer head self-drilling fasteners with integral EPDM seals
Flashing, trims	Shall be furnished at the rake, corners, eaves framed openings and wherever necessary to provide weather tightness and finished appearance. Material shall be 26 G thick conforming to the physical specifications of ASTM A446 Grade C or equivalent and having minimum yield strength of 40,000 P.S.I. (275 MPa).

Day light panel DLP HR GRP3	Ultra Violet stabilized, fiber glass panels of 3.9 Kg/m ² . as per IS 8183, 50/100 mm thick, with a vapor barrier (foil scrim Kraft/ reinforced white vinyl/reinforced white metalized film scrim kraft facing). Density shall be no less than 16 Kg/m ³ . 4 nos of daylight panels shall be provided at each panel, i.e., between each frame.
Framed opening	2 nos. of framed opening of size 3.0m(w) X 3.0m(ht.) considered at sidewalls for Rolling shutters
Canopy	1 nos. canopy of size 2.0m (Projection) X 8.0m (Length) at 4.5m level above FFL will be provided on the left side wall.
Paint Finish	All primary and secondary members shall be supplied with one coats of zinc chromate red oxide primer and two coats of synthetic enamel paint (brush applied) at site.
Special conditions	All walls clad to full height above 3.0 m high brick masonry wall (by others). Right Side of the building to be designed for future expansion (Foundation & Columns to the right side of the building should be designed considering an expansion of similar nature & dimensions (L X B X H) and carrying an equivalent load as that of the present building)
Building condition	Enclosed.
Roof Vents	Turbine Vents externally braced 24 inches in diameter for each bay near the ridge line. 2 nos of Turbo vents shall be provided at each panel. The turbo vents shall be of reputed make and shall be got approved by the engineer in charge before actual supply.
Eave Gutter	26 G Colour galvalume gutters as per Rain fall intensity as applicable. Box shaped, color coated, and 0.5 mm nominal thickness (26 gauge) galvanized steel. The outside face of the gutter shall be supported with color coated 0.5 mm nominal thickness (26 gauge) galvanized straps to the eave member at a maximum spacing of 1.2 m. Should be provided on both sides. At the connection line of the two structures a valley gutter is to be provided.

Down Spouts	Downspouts shall be rectangular shaped, color coated 0.5 mm nominal thickness (26 gauges) galvanized steel. Downspouts shall have a 45 degree elbow at the bottom and shall be supported by attachment to the wall covering at 3.0 m maximum spacing. Should be provided on both sides. 4 nos of down water pipes to be provided in the valley gutter to take the water down to the floor level drain
Mezzanine	<p>Mezzanine Area;</p> <p>1. 58.38 m X 17.50 m in warehouse (less 17.5 m X 8 m opening with 3m wide corridors on both sites)</p> <p>2. 16.23 m X 13.16 m above Primary Packing Room in existing building</p> <p>Mezzanine Location - 3.0 m above ground floor</p> <p>Mezzanine Decking Sheet - GI, 0.8mm thick Corrugated sheet, supported by mezzanine joist.</p> <p>Mezzanine Staircase- 1.2m wide enclosed treads with nosing. Handrail is welded to both sides of the staircase with a top rail at 1000mm and a mid rail at 500mm.</p> <p>Hand rail with a top rail at 1000mm and mid rail at 500mm with enamel paint of matching colour should be provided all around the boundary.</p> <p>The Mezzanine platform shall be constructed with 4 mm thick chequered plate, either galvanized or painted with epoxy paint as per standard specification. The live load and dead load together to be considered for the mezzanine is 5 KN/m²</p>
Sealer/ rope seal	To be applied at all side laps and end laps of roof panels and around self flashing windows. Sealer shall be 6 mm wide x 5 mm thick, asbestos fibre filled, pressure sensitive Butyl tape. The sealer shall be non asphalted, non shrinking non drying and non toxic and shall have superior adhesion to metals, plastics and painted surfaces at temperatures from - 51 deg. 'C' to + 104 deg.'C'.

Closures / filler strips	Solid or closed cell E.T.P. (Ethylene Polypropylene Terpolymer) closures matching the profile of the panel shall be installed along the eaves, rake and wherever required
Insulation (Roofing)	Fiberglass insulation is as per IS 8183, 50 mm thick, with a vapor barrier (foil scrim Kraft/ reinforced white vinyl/reinforced white metalized film scrim kraft facing / Aluminium facing) with GI of Aperture size 75mmX75mmX1.6 mm thickness. Density shall be no less than 16 Kg/m ³ .

Design Loads (Live / Wind)

The building is designed for the following Live Load and Wind Speed

Live Load	0.57KN/m ²
Wind Speed	33 m/sec (as per IS 875 Part III) 1987
(Seismic Zone Zone (Z))	III (0.16) (as per IS 1893) 2002

Deflections

Vertical	L/180
Lateral	EH/150
Purlins	L/150

Applicable Codes

Loads are applied in accordance with:	The 1996 Edition of Low Rise Building System Manual Metal Building Manufactures Association (MBMA) IS 875(all parts)
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Hot rolled and Built up sections are designed in accordance with:	Manual of Steel Construction, 9th Edition American Institute of Steel Construction (AISC) IS 800-2007
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Cold-formed members are	1996 Edition of Cold formed Steel Design Manual
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designed in accordance with:	American Iron and Steel Institute (AISI) IS 800-2007
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Welding is applied in accordance with	American Welding Society (AWS D1.1.2008) Structural Welding Code - Steel IS 800-2007
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Standard Supplied Items

The following are included in the scope of work:

Rigid frame structure for columns, rafters with end plates, purlins and girts.

All necessary flashings, trims, eave gutters and downspouts

Roofing & cladding sheets

Structural hardware & sheeting fasteners

End lap sealant & bracing

Anchor bolts and templates shall be dispatched to civil contractor for safe custody.

Day light panel

Framed opening & canopy system

All primary and secondary members shall be supplied with one coat of zinc chromate red oxide primer and two coats of synthetic enamel paint (brush applied) at site.

BILL OF QUANTITIES

SL. NO	DESCRIPTION	AREA
	The proposal shall be based on the following	
1	Ground Floor Area of the Proposed Warehouse	1280 m2
2	Mezzanine Floor Area of the Proposed Warehouse	1026 m2
3	Mezzanine Floor Area Proposed for the existing Sanitary Napkin Facility	213 m2
	TOTAL AREA	2519 M2
	QUOTED AMOUNT	