



Balmer Lawrie & Co. Ltd.

(A Government of India Enterprise)

Engineering & Projects

21, Netaji Subhas Road

Kolkata - 700 001

**Design, Supply, Erection & Commissioning of Insulation
System for Temperature Controlled Warehouses**

at

IDCO Industrial Estate, Chhattabar, Dist-Khorda, Odisha

Tender No. EP/TCW/BHU/INS/07

PRICED PART (PART-II)

NOTES:

- 1.0 Details of the items under this Schedule shall be read in conjunction with the corresponding Specifications, Drawings and other Tender Documents.
- 2.0 The work shall be carried out as per approved drawings, Specifications and the description of the items in this Schedule and/or Engineer's instructions. Drawings enclosed with these documents are only for providing some preliminary of the work involved.
- 3.0 Items of work provided in this Schedule but not covered in the Specifications shall be executed strictly as per instructions of the Engineer-In-Charge.
- 4.0 Unless specifically mentioned otherwise in the Contract, the Tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, Constructional Plant, Temporary Work, labour, materials, levies, taxes, transport, layout, re-pairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, services, temporary roads, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the contract.
- 5.0 The Quantities of the various items mentioned in the Schedule of Items are approximate and may vary or may be deleted altogether. The Supplier, in his own interest, should get an indication of the probable extent of the work to be executed under any particular item in this Schedule before undertaking any preliminary and enabling work or purchasing bought out components related to the work.
- 6.0 Rates shall be quoted both in figures and in words in clear legible writing. No over writing is allowed. All scoring and cancellations should be countersigned by the Tenderer. In case of illegibility, the rates written in word will be considered final. All entries shall be in English language.
- 7.0 Engineer's decision shall be final and binding on the Supplier regarding clarification of items in this Schedule with respect to the other sections of the Contract.
- 8.0 For extra items, rates shall be derived from similar item rates included in the schedule of work. Where there is no such similar item available in the schedule, rate shall be analyzed as follows:
Rate for extra item = Cost of material including transportation for delivery upto site (a) + cost of labour inclusive of all necessary tools, tackles, equipment, machinery and consumable (b) required to carry out the work + 15% of (a+b) towards profit and overhead + taxes, duties etc. as applicable.

Schedule of Work

**Supply, Erection, Testing and Commissioning of Insulation System for Temperature Controlled Warehouse at IDCO Industrial Estate, Chhattabar,
Dist-Khorda, Odisha**

Tender No. EP/TCW/BHU/INS/07

Item No.	Item Descriptions	Unit	Qty	SUPPLY		ERECTION	
				Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)
1	150mm thick PIR composite sandwich panel 0.50 mm thick 240 Mpa GI sheet having 275 gsm Zinc coating continuous panels having serration on both the sides for peripheral external walls . Rate shall be inclusive of all items/features as per specification providing and insulating the Teflon type nuts and bolts and covering the same with flashing from inside by insulated materials and filling with PUF/PIR chemicals. While erection of wall panels proper care is to be taken for alignment of side girts.	SqM	2,625		-		-
2	120mm thick PIR composite sandwich panel with 0.50 mm thick 240 Mpa GI sheet having 275 gsm Zinc coating continuous panels having serration on both the sides for Partition walls . While designing the Ceiling Panels, Partition Panels, care must be taken that no ceiling support T's should cross the partition panel from one chamber to the other chamber.	SqM	3,210		-		-
3	150mm thick PIR composite sandwich panel with 0.50 mm thick 240 Mpa GI sheet having 275 gsm Zinc coating continuous panels having serration on both the sides for Ceilings . The rate shall be inclusive of all items/features as per specification providing, fixing of all the supporting arrangements and all the care to be taken to avoid the condensations e.g. all the tie rods are to be insulated at least 1M by using nitrile rubber insulation.	SqM	2,155		-		-
4	80mm thick PIR composite sandwich panel with 0.50 mm thick 240 Mpa GI sheet having 275 gsm Zinc coating continuous panels having serration on both the sides for Ante Room Ceiling, Docking Area Wall & Ceiling and Column Cladding . Rate shall include providing requisite supporting arrangements for supporting ceiling panel with tie rods from the primary support of anteroom.	SqM	850	-	-		-
5	Floor Insulation , unless otherwise specified the rate shall include the following considerations, i) Cleaning the surface of application. ii) Application of bitumen primer iii) Application of one coat of bitumen of grade 85:25 at the rate of 1.20 Kg/SqM iv) A layer of 1.2mm thick hessian based self-finished bitumen felt type 3 grade 1 / 250 micron PVC sheet as vapor barrier shall be applied. The tarfelt shall be applied with molten bitumen. The joints of the tarfelt shall overlap by 40mm. The joints shall be sealed with molten bitumen. The tarfelt shall overlap the insulation by at least 40mm on all sides. v) Bitumen of grade 85:25 @ 1.00 Kg/SqM shall be applied. vi) The layer of tarfelt /polyfelt over the PUF Slab, the joints of the tarfelt shall overlap by atleast 200mm.				-		-

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Item No.	Item Descriptions	Unit	Qty	SUPPLY		ERECTION	
				Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)
5.1	100mm thick PUF (50+50) in 2 layers for floor insulation in all the cold room chambers.	SqM	1,380		-		-
5.2	50mm thick PUF in single layer for floor insulation in Potato Storage room and wherever required as per the instruction.	Sq. M	940		-		-
6	Sub-total				-		-
7	Sub Total (Supply + Erection)				-		-
8	GST (% bidder to change if required)			18%	-	18%	-
9	Grand Total with GST				-		-
10	Grand Total with GST (Supply+Erection)				-		-
11	Grand Total with GST (Supply+Erection) in words	Rupees.....					

Note:- 1) The prices shall be inclusive of all the Flashings and ceiling support etc. as required.

2) Please fill up, print, sign, stamp, scan and upload the above mentioned Price Bid in bid common form in e-procurement portal of Balmer Lawrie. However, Total Contract Price with GST shall be entered as 'Project Contract Total' while uploading price bid.

Name of the Bidder

Name & Signature of Authorised Person:

Seal of the Company:

Date: