

PRICE SOR

HIRING OF SERVICES TOWARDS INSULATION, REPAIRING AND MAINTENANCE WORKS FOR A PERIOD OF TWO (02) YEARS FOR BCPL LEPETKATA, LAKWA AND DULIAJAN, LAKWA AND DULIAJAN

RFQ Ref. No. BCPL/C&P/LE18W219ND/0983

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Un-price Bid SOR

SOR Sl. No.	Job Description	UO M	Quantit y	Unit Rate (Rs.)	Total Amount (Rs.)
1	INSULATION FOR PIPE & PIPE FITTINGS				
1.10	IC, PUF, THICKNESS=25 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 25 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	150		



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1.20	IC, PUF, THICKNESS=35 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 35 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	100		
1.30	IC, PUF, THICKNESS=50 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness=50 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as	M2	150		



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	per drawings, specifications and instruction of Engineer-In-Charge.)				
1.4	IC, PUF, THICKNESS=75 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 75 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	150		



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1.5	IC, PUF, THICKNESS=100 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 100 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	150		
1.6	IC, PUF, THICKNESS=125 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 125 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles,	M2	125		



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	equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.7	IC, PUF, THICKNESS=150 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 150 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	125		
1.8	IC, PUF, THICKNESS=200 MM. Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness=200 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory	M2	125		



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	works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.9	IH, ROCKWOOL, THICKNESS=25 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness=25 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	2500		
1.10	IH, ROCKWOOL, THICKNESS=35 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness=35 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at	M2	200		

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	manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.11	IH, ROCKWOOL, THICKNESS=50 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness=50 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	3500		
1.12	IH, ROCKWOOL, THICKNESS=75 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 75 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials,	M2	1200		



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	vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.13	IH, ROCKWOOL, THICKNESS=85 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 85 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	100		



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1.14	IH, ROCKWOOL, THICKNESS=100 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 100 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	400		
1.15	IH, ROCKWOOL, THICKNESS=125 MM. Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 125 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles,	M2	250		



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	equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.16	IM, CELLULAR GLASS, THICKNESS=30 MM. Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness= 30 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	5		
1.17	IM, CELLULAR GLASS, THICKNESS=50 MM. Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness=50 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at	M2	5		

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	manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.18	IM, CELLULAR GLASS, THICKNESS=65 MM. Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness=65 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	5		



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1.19	IM, CELLULAR GLASS, THICKNESS=75 MM. Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness=75 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	5		
1.20	IH, ROCKWOOL, THICKNESS=150MM Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 150 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles,	M2	250		



	equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
1.21	IH, ROCKWOOL, THICKNESS=200MM Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 200 mm (FOR PIPING, VAVLE, FLANGES, FITTINGS ETC. AS PER THE INSULATION CLASS MENTIONED IN EACH ROW. Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory works thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	100		
2	INSULATION FOR EQUIPMENTS				
2.1	IC, PUF., THICKNESS=25 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 25 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials,	M2	20		



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	testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
2.2	IC, PUF., THICKNESS=50 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 50mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	20		



2.3	IC, PUF., THICKNESS=75 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness=75 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	20		
2.4	IC, PUF., THICKNESS=100 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness=100 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles,	M2	150		



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	equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)				
2.5	IC, PUF., THICKNESS=120 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 120 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge.)	M2	20		
2.6	IC, PUF., THICKNESS=155 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness=155 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with	M2	20		

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	sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.7	IC, PUF., THICKNESS=175 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 175 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	20		
2.8	IC, PUF., THICKNESS=215 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 215 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory	M2	20		

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	work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.9	IC, PUF., THICKNESS=225 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 225 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	20		
2.10	IC, PUF., THICKNESS=240 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 240 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at	M2	20		



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	manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.11	IC, PUF., THICKNESS=150 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 150 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	25		



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2.12	IC., CELLULAR GLASS, THICKNESS=115 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-Cellular Glass, Insulation Thickness=115 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	5		
2.13	IC., CELLULAR GLASS, THICKNESS=225 MM Cold Insulation-IC, Material- CS/AS/SS, Insulation Material-Cellular Glass, Insulation Thickness=225 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever	M2	5		



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	specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.14	IC., CELLULAR GLASS, THICKNESS=325 MM Cold Insulation-IC, Material- AL Alloy, Insulation Material-Cellular Glass, Insulation Thickness=325 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	5		
2.15	IH., ROCKWOOL, THICKNESS=25 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=25 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory	M2	25		

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	work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.16	IH., ROCKWOOL, THICKNESS=45 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Inhibited Rockwool, Insulation Thickness=45 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	25		
2.17	IH., ROCKWOOL, THICKNESS=50 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=50 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly	M2	150		

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	inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.18	IH., ROCKWOOL, THICKNESS=75 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=75 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	25		



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2.19	IH., ROCKWOOL, THICKNESS=100 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=100 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	25		
2.20	IH., ROCKWOOL, THICKNESS=120 MM Hot Insulation- IH, Material-CS/AS/SS, Insulation Material- Glass wool, Insulation Thickness=120 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever	M2	25		



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	specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)				
2.21	IH., ROCKWOOL, THICKNESS=125 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=125 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	25		
2.22	IH., ROCKWOOL, THICKNESS=155 MM Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, Insulation Thickness=155 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly	M2	25		

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2.23	IM., CELLULAR GLASS, THICKNESS=65 MM Insulation for Dual Temperatures-IM, Material-CS/AS, Insulating Material- Cellular Glass, Insulation Thickness=65 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	5		



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2.24	IM., CELLULAR GLASS, THICKNESS=90 MM Insulation for Dual Temperatures-IM, Material-CS/AS, Insulating Material- Cellular Glass, Insulation Thickness= 90 mm (For Static Equipment Shells of vertical & heads of horizontal Vessels, Columns, Exchangers, Reactors, Silencers, heaters, Storage etc. and for Rotary equipment: Providing Thermal Insulation including supply of all insulating and ancillary materials, vapor barrier, weather protective coverings, consumables and other necessary materials, testing of materials as required including transportation of materials to work site, duly inspected by 3rd party (Lloyd/BV/DNV or any other BCPL approved party) inspector at manufacturer's shop, applying insulation on surfaces as specified including all preparatory work thereon, binding, tying, lacing, stitching, and/or otherwise securing, finishing with sheet cladding as per spec, providing bolts, rivets and self-tapping screws wherever specified, end seals for flanges etc. Providing steel scaffolding, all tools, tackles, equipment etc. labor, supervision and completing the work in all respect, at all heights as per drawings, specifications and instruction of Engineer-In-Charge)	M2	5		
3	CLADDING WORKS-SUPPLY & EXECUTION				
3.1	Supply& Fixing-0.71 MM AL CLDNG Corrugtd Supply & Fixing of 0.71 MM Aluminum Cladding 22 SWG Corrugated Sheet of 32 MM 5 MM with self-tapping screw.	M2	50		
3.2	Supply & Fixing- 0.71 MM AL CILDNG Flat. Supply & Fixing of 0.71 MM Aluminum Cladding 22 SWG Flat sheet with self-tapping screw.	M2	4000		
3.3	Supply & Fixing- 1.22 MM AL Cldng Flat. Supply & Fixing of 1.22 MM Aluminum Cladding 18 SWG flat sheet with self-tapping screw	M2	4000		



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3.4	Supply & Fixing-0.56 MM Glvzsd steel Cld Supply & Fixing of 0.56 MM Galvanized Steel Cladding 24 SWG with self-tapping screw	M2	25		
3.5	Supply & Fixing-0.56 MM AL Cldng Flat. Supply & Fixing of 0.56 MM Aluminum Cladding/Jacket 24 SWG Flat Conforming to IS: 737 with self-tapping screw	M2	2000		
3.6	Supply & Fixing-0.56 MM AL Cldng Corrugtd Supply & Fixing of 0.56 MM Aluminum Cladding/Jacket 24 SWG Corrugated Sheet Size 32 MM 5 MM Conforming to IS:737 with self-tapping screw	M2	25		
3.7	Supply & Fixing-24 SWG SS304 Cldng	M2	100		
4	MISCELLANEOUS WORKS				
4.1	Supply and Fixing Insulating Fire Bricks PROVIDING & FIXING-REFRACTORY WORKS-Supply and Fixing of Insulating Fire Bricks for Castable Refractory- Grade 26 materials for Furnaces (230 mm x 115 mm x 75 mm)	EA	50		
4.2	Supply & instltn of Ceramic Fibre Blankt Supply and installation of Ceramic Fibre Blankets 26 Class - 75 mm Thickness	M2	100		
4.3	Sply & Instltn of Calcium Silicate Block Supply and installation of Calcium Silicate Insulation Blocks (1100 Deg C, 1 m X 0.5 m X 0.05 m)	EA	10		

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4.4	Supply & exction-MW Castable CL 26 Supply and execution of MW Insulating Castable CL 26 as per ASTM C 401 Class G	KG	100		
4.5	Execution of Calcium Silicate Board Execution of Calcium Silicate Board 1100 deg C (Supply in the scope of BCPL)	M3	15		
4.6	Execution-Silicon Coated Fibre Glass Execution of Silicon Coated Fibre Glass Cloth (Supply in the scope of BCPL)	M3	15		
4.7	Supply and execution of MORTOR/CASTABLE	KG	100		
4.8	Prvdng & Fxng Inspn Pckt-Sz 100mm x100mm Providing & Fixing of Inspection Pocket-Size 100mm x100mm	NOS	100		
4.9	Prvdng & Fxng Inspn Pckt-Sz 150mm x150mm Providing & Fixing of Inspection Pocket-Size 150mm x150mm	NOS	100		
4.10	Removal of Old RockWool/Glasswool	M3	750		
4.11	Removal of Old PUF/Cellular Glass	M3	750		
4.12	Removal of Refractory from any Height	TO	50		
4.13	Removal of Old Ceramic Blanket	M3	100		
4.14	Removal of Old AL/GI Cladding	M2	1000		
4.15	TURBINE INSULATION:Thickness 70 MM	M2	150		

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4.16	Spply & Fxng Ceramic Rope without cldng Supply and wrapping of Ceramic Rope over SS/CS Impulse Tubing/piping without cladding	IM	100		
4.17	spplly & Fxng Ceramic Rope with AL Cldng Supply and wrapping of Ceramic Rope over SS/CS Impulse Tubing/Piping with Aluminium Cladding 24SWG.	IM	750		
4.18	Spply & Applctn of Heat Transfer Cement Supply and application of Heat Transfer Cement	KG	75		
4.19	Fire Proofing-Isolatek Type M-II Materia Fire Proofing- Supply and Execution of Isolatek Type M-II Material	KG	100		
4.20	Turbine insulation rockwool CAT-9 70MM	M2	50		
4.21	Turbine insulation rockwool CAT-9 85MM	M2	50		
4.22	Turbine insulation rockwool CAT-9 150MM	M2	50		
TOTAL AMOUNT exclusive of GST (Rs.)					
TOTAL AMOUNT exclusive of GST (Word).					
GST @%. Bidder to Compulsorily Quote for applicable GST					
Total Amount Inclusive of GST (Rs.)					
Name of authorized person submitting the tender on behalf of the Bidder (s)					

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Designation of authorized person Name of Firm / Contractor/Owner Address of Firm / Contractor/Owner Date	
NOTE : Evaluation shall be done after considering cenvatable benefit on GST.	