



PRICE SCHEDULE / SCHEDULE OF RATES(SOR) [PART - II - PRICED BID]

e -TENDER NO:BCPL/C&P/LE17W131MK/00530 Dated 16.11.2017

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

SOR Sl. No.	Description of item	UO M	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
PART A: FOR PIPING, VALVE, FLANGE, FITTINGS ETC AS PER THE INSULATION CLASS AS MENTIONED IN EACH ROW					
1	IC PUF Thickness 25MM	M2	75	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 25mm (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.)				
2	IC PUF Thickness 35MM	M2	50	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 35mm (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.)				
3	IC PUF Thickness 50MM	M2	75	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 50mm (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.)				
4	IC PUF Thickness 75MM	M2	75	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 75mm (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.)				
5	IC PUF Thickness 100MM	M2	100	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 100mm (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.)				
6	IC PUF Thickness 125MM	M2	20	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 125mm (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.)				
7	IC PUF Thickness 150MM	M2	20	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 150mm (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.)				
8	IC PUF Thickness 200MM	M2	75	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 200mm (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.)				
9	IH Rockwool Thickness 25 MM	M2	1000	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 25mm (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.)				
10	IH Rockwool Thickness 35 MM	M2	100	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 35mm (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.)				
11	IH Rockwool Thickness 50 MM	M2	2000	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 50mm (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.)				
12	IH Rockwool Thickness 75 MM	M2	500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 75mm (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.)				
13	IH Rockwool Thickness 85 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 85mm (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.)				
14	IH Rockwool Thickness 100 MM	M2	10	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 100mm (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.)				
15	IH Rockwool Thickness 125 MM	M2	500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Hot Insulation- IH/IT, Piping Class-CS/AS/SS, Insulation Material-Rockwool, Insulation Thickness= 125mm (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.)				
16	IM Cellular Glass Thickness 30 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness= 30mm (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.)				
17	IM Cellular Glass Thickness 50 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness= 50mm (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.)				
18	IM Cellular Glass Thickness 65 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness= 65mm (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.)				
19	IM Cellular Glass Thickness 75 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Insulation for Dual Temperature lines-IM, Piping Class-CS, Insulation material-Cellular Glass, Insulation Thickness= 75mm (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.)				
PART B: FOR STATIC EQUIPMENT SHELLS & HEADS OF VERTICAL AND HORIZONTAL VESSELS, COLOUMNS, REACTORS, SILENSER, FILTERS, STORAGE ETC AND FOR ROTARY EQUIPMENT AS PER THE INSULATION CLASS AS MENTIONED IN EACH ROW					
1	IC PUF Thickness 25MM	M2	15	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 25mm (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 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.)				
2	IC PUF Thickness 50MM	M2	15	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-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 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.)				
3	IC PUF Thickness 75MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 75mm (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 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.)				

4	IC PUF Thickness 100MM	M2	250	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 100mm (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 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.)				
5	IC PUF Thickness 120MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 120mm (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 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.)				
6	IC PUF Thickness 155MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 155mm (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 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.)				
7	IC PUF Thickness 175MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 175mm (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 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.)				
8	IC PUF Thickness 215MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 215mm (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 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.)				

9	IC PUF Thickness 225MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 225mm (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 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.)				
10	IC PUF Thickness 240MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 240mm (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 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.)				
11	IC PUF Thickness 150MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Cold Insulation-IC, Piping Class-CS/AS/SS, Insulation Material-PUF, Insulation Thickness= 150mm (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 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.)				
12	IC Cellular Glass Thickness 115 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				
13	IC Cellular Glass Thickness 225 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				

14	IC Cellular Glass Thickness 325 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Cold Insulation-IC, Material- CS/AS/SS, 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 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.)				
15	IH ROCKWOOL THICKNESS 25 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				
16	IH ROCKWOOL THICKNESS 45 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- 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 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.)				
17	IH ROCKWOOL THICKNESS 50 MM	M2	300	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				
18	IH ROCKWOOL THICKNESS 75 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				

19	IH ROCKWOOL THICKNESS 100 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				
20	IH ROCKWOOL THICKNESS 120 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Hot Insulation- IH / IT, Material-CS/AS/SS, Insulation Material- Rockwool, 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 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.)				
21	IH ROCKWOOL THICKNESS 125 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

Long Txt	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 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.)				
22	IH ROCKWOOL THICKNESS 155 MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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 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.)				
23	IM CELLULAR GLASS THICKNESS 65MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Insulation for Dual Temperatures-IM, Material-CS/AS, Insulating Material- Cellular Glass, Insulation Thickness=65mm(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 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.)				

24	IM CELLULAR GLASS THICKNESS 90MM	M2	5	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Insulation for Dual Temperatures-IM, Material-CS/AS, Insulating Material-Cellular Glass, Insulation Thickness=90mm(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 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.)				
PART C: CLADDING WORKS - SUPPLY AND EXECUTION					
1	Supply & Fixing -0.71 MM Al Cldng Corrugtd	M2	25	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 0.71MM Aluminum Cladding 22 SWG Corrugated Sheet of 32 MM 5 MM with self-tapping screw				
2	Supply & Fixing -0.71 MM Al Cldng Flat	M2	2500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 0.71MM Aluminum Cladding 22 SWG Flat sheet with self-tapping screw				
3	Supply & Fixing -1.22 MM Al Cldng Flat	M2	2000	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 1.22MM Aluminum Cladding 18 SWG Flat sheet with self-tapping screw				
4	Supply & Fixing -0.56 MM Glvnzd Steel Cld	M2	10	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 0.56MM Galvanized steel Cladding 24 SWG Flat sheet with self-tapping screw				
5	Supply & Fixing -0.56 MM Al Cldng Flat	M2	500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 0.56MM Aluminum Cladding/Jacket 24 SWG Flat Sheet Conforming to IS:737 with self-tapping screw				
6	Supply & Fixing -0.56 MM Al Cldng Corrugated	M2	15	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply & Fixing of 0.56MM Aluminum Cladding/Jacket 24 SWG Corrugated Sheet Size 32 MM 5 MM Conforming to IS:737 with self-tapping screw				
PART D: MISCELLANEOUS WORKS					

1	Supply & Fixing of Insulating Fire Bricks	EA	25	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	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)				
2	Supply & Instln of Ceramic Fibre Blanket-75 MM Thk	M2	50	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply and installation of Ceramic Fibre Blankets 26 Class - 75mm Thickness				
3	Supply & Instln of Calcium Silicate Block	EA	10	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply and installation of Calcium Silicate Insulation Blocks (1100 Deg C, 1 m X 0.5 m X 0.05 m)				
4	Supply & Erection of MW Castable-CL 26	KG	50	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Supply and execution of MW Insulating Castable CL 26 as per ASTM C401 Class G				
5	Execution of Calcium Silicate Board	M3	25	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
	Execution of Calcium Silicate Board 1100 deg C (Supply in the scope of BCPL)				
6	Execution of Silicon Coated Fibre Glass	M3	25	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
	Execution of Silicon Coated Fibre Glass Cloth (Supply in the scope of BCPL)				
7	Suppl/Execution of Mortor/Castables	KG	50	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
8	Provdng & Fixing Inspection Pocket -100x100	Nos	100	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Providing & Fixing of Inspection Pocket-Size 100mm x100mm				
9	Provdng & Fixing Inspection Pocket -150x150	Nos	100	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
Long Txt	Providing & Fixing of Inspection Pocket-Size 150mm x150mm				
10	Removal of Old Rockwool/Glasswool	M3	1500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
11	Removal of Old PUF/Cellular Glass	M3	1500	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
12	Removal of Refractory from any height	TO	25	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees
13	Removal of Old Ceramic Blanket	M3	200	In Figure Rs.: _____ In Words Rupees	In Figure Rs.: _____ In Words Rupees

14	Removal of Old Al/GI Cladding	M3	2500	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
15	Turbine Insulation -70 mm Thk	M2	150	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
16	Supply & Fixing Ceramic Rope without Cladding	IM	100	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
Long Txt	Supply and wrapping of Ceramic Rope over SS/CS Impulse Tubing/piping without cladding				
17	Supply & Fixing Ceramic Rope with Al Cladding	IM	1000	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
Long Txt	Supply and wrapping of Ceramic Rope over SS/CS Impulse Tubing/Piping with Aluminium Cladding 24SWG.				
18	Supply & Application of Heat Transfer Cement	KG	50	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
Long Txt	Supply and application of Heat Transfer Cement				
19	Fire Proofing-Isolatek Type M-II Mterial	KG	50	In Figure Rs.: _____ In Words Rupees _____	In Figure Rs.: _____ In Words Rupees _____
Long Txt	Fire Proofing- Supply and Execution of Isolatek Type M-II Material				
TOTAL AMOUNT (PART A+ B + C + D) exclusive of GST (Rs.)				In Figure Rs.: _____ In Words Rupees _____	
GST @%. Bidder to Compulsarily Quote for applicable GST					
Total Amount Inclusive of GST (Rs.)					
Signature of Authorized Representative:					
Name of authorized person submitting the tender on behalf of the Bidder (s)					
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.					