

"Un-price bid format" cum "Schedule of quantity and rates" Volume-II of NIT

Name of the work:“Fireproofing works” FOR IOCL PARADIP-STANDBY SRU (525TPD) TRAIN PROJECT.						
Tender ref no.T0AWX00040 dated:20.07.2023						
Item No	Item Description in brief	UOM	QTY	Unit Rate	Amount	Weightage %
1	Supply and laying of vermiculite based lightweight cementitious concrete coating corresponding to 2 hours fire rating as per respective UL design number under UL-1709 (XR category) subject to a minimum of 30mm thickness as per Type-II of Standard Specification 080557C-000-JSS-1800-003 as fire proofing material of required thickness around structural steel members (viz. beams, columns, bracings etc.) for the required fire protection from reaching temperature 538 degree C; cleaning the steel surfaces and applying primer compatible to vermiculite material if required as per manufacturer specifications, supplying, placing and fixing in position cover plates conforming to IS:2062 and stiffeners for members exceeding 600 mm depth, supply and welding of MS nuts on angle and box sections and cover blocks for other sections, supplying, placing and fixing in position galvanized expanded metal sheet with mesh size 4.5 mm x 13.5 mm conforming to IS:412 except on angle and box sections, hot dipped galvanized welded wire fabric reinforcement 2 mm dia 50 mm x 50 mm mesh conforming to IS:1566, and tying the reinforcement to the cover blocks with galvanized 16 SWG tying wire, including cutting, straightening, cleaning, bending, applying primer on MS nuts and affected surfaces, curing or providing a layer of approved membrane of curing compound, patching of damaged portion wherever required to achieve a smooth and even surface, providing chamfering at corners, supplying and laying of non-bituminous polysulfide or silicon rubber mastic sealant at terminating edges/ metal joints, painting the surfaces with sealer coat of epoxy polyamide as base and finish coats of coating system No.1 of NORSOK Standard M-501, including the cost of all labour, materials, specified tests, shuttering, staging, scaffolding, working platforms, approaches, etc. for all shapes and positions at all heights above pavement etc. all complete as per specifications 080557C-000-LD-1790-001, 080557C-000-JSS-1800-003 and directions of Engineer-in-Charge. (ALL MATERIALS SHALL BE SUPPLIED BY THE CONTRACTOR).	CUM	48	₹ 74,581.01	₹ 35,79,888.48	86.523366%
2	Supply and laying of vermiculite based lightweight cementitious concrete coating corresponding to 3 hours fire rating as per respective UL design number under UL-1709 (XR category) subject to a minimum of 30mm thickness as per Type-III of Standard Specification 080557C-000-JSS-1800-003 as fire proofing material of required thickness on equipment/ vessel skirts, saddles and supports for the required fire protection from reaching temperature 427 degree C; cleaning the steel surfaces and applying primer compatible to vermiculite material if required as per manufacturer specifications, supplying, placing and fixing in position cover plates conforming to IS:2062, hot dipped galvanized welded wire fabric reinforcement of 2 mm dia 50 mm x 50 mm mesh conforming to IS:1566 and tying the reinforcement with the pre welded nuts by galvanized 16 SWG tying wire, including straightening, cutting, bending of the reinforcement, including supplying and welding of additional MS nuts if directed by the Engineer-in-charge, applying primer wherever required, curing or providing a layer of approved membrane of curing compound, patching of damaged portion wherever required to achieve a smooth and even surface, providing chamfering at corners, supplying and laying of non-bituminous polysulfide or silicon rubber mastic sealant at terminating edges/ metal joints, painting the surfaces with sealer coat of epoxy polyamide as base and finish coats of coating system No.1 of NORSOK Standard M-501, including the cost of all labour, materials, specified tests, shuttering, staging, scaffolding, working platforms, approaches, etc. for all shapes and positions. all complete as per specifications 080557C-000-LD-1790-001, 080557C-000-JSS-1800-003 and directions of Engineer-in-Charge. (ALL MATERIALS SHALL BE SUPPLIED BY THE CONTRACTOR).	CUM	6.7	₹ 75,075.68	₹ 5,03,007.06	12.157324%

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3	Supply and laying of concrete of grade M30 as per Type-I of Standard Specification 080557C-000-JSS-1800-003 as fire proofing material with 10 mm and down size graded coarse and fine aggregates including admixture around structural steel members (viz. beams, columns, bracings etc.) minimum thickness 65mm all complete; cleaning the steel surfaces, supplying, placing and fixing in position cover plates conforming to IS:2062 and stiffeners for members exceeding 600 mm depth, supply and welding of MS nuts on angle and box sections and cover blocks for other sections, supplying, placing and fixing in position galvanized expanded metal sheet with mesh size 4.5 mm x 13.5 mm conforming to IS:412 except on angle and box sections, hot dipped galvanized welded wire fabric reinforcement 2 mm dia 50 mm x 50 mm mesh conforming to IS:1566, and tying the reinforcement to the cover blocks with galvanized 16 SWG tying wire, including cutting, straightening, cleaning, bending, vibrating, tamping, curing or providing a layer of approved membrane of curing compound, rendering with cement sand mortar (1:3) wherever required to achieve a smooth and even surface, providing L50x50x6 at corners or as specified in the drawing, applying primer on MS nuts, angles and affected surfaces, supplying and laying of non-bituminous polysulfide or silicon rubber mastic sealant at terminating edges/ metal joints, painting the surfaces with sealer coat of epoxy polyamide as base and finish coats of coating system No.1 of NORSOK Standard M-501, including the cost of all labour, materials, specified tests, shuttering, staging, scaffolding, working platforms, approaches, etc. for all shapes and positions at all heights upto & including 10 m above pavement etc. all complete as per specifications 080557C-000-LD-1790-001, 080557C-000-JSS-1800-003 and directions of Engineer-in-Charge. (ALL MATERIALS INCLUDING CEMENT TO BE SUPPLIED BY THE CONTRACTOR).	CUM	7	₹ 7,798.03	₹ 54,586.21	1.319310%
	Grand Total amount (Excluding Taxes)=				₹ 41,37,482	100%
	Bidder to confirm having quoted their price in BHEL NIC portal https://eprocurebhel.co.in in the manner described in Note: 1 below, by writing "QUOTED" here					
Note						
1	Bidders should quote only the percentage excess or less, wrt to the estimated value of Rs.41,37,482/- in the specified place in BHEL NIC Portal . These rates & amount will be derived from the Total amount quoted (percentage excess or less) or weightage factor assigned against respective items indicated in weightage . (Bidder to quote the total price in BHEL NIC portal https://eprocurebhel.co.in)					
2	The rate and amount are inclusive of all applicable taxes, except for the GST. For details of taxes, clause no. 13.0 of the SCC will be applicable.					
3	Evaluation Shall be based on total amount quoted by bidder.					