



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड Nuclear Power Corporation of India Ltd.

(भारत सरकार का उद्यम A Government of India Enterprise)

कुडनकुलम न्यूक्लियर पावर प्रोजेक्ट Kudankulam Nuclear Power Project

कुडनकुलम पोस्ट, राधपुरम तालुका, तिरुनेलवेली जिला, तमिलनाडु-627106

Kudankulam P.O., Radhapuram Taluk, Tirunelveli District, Tamil Nadu – 627 106

Manoj Kumar Singh, Sr. Manager, C&MM (Works Group)

☎ 04637- 26 2344

ई-मेल E-mail: manojksingh@npcil.co.in

सं. No. एनपीसीआईएल NPCIL/केकेएनपीपी KKNPP/C&MM-Works/2026/एस S/ 372

May 27, 2026

To

M/s. LLOYD INSULATIONS (INDIA) LIMITED,
Gee Gee Universal, 7th Floor,
No.2 MC Nichols Road,
Chetpet, Chennai,
Tamil Nadu 600 031
Mobile: 94440 87927
E-mail: vmc@lloydinsulations.in

Work Order No.	:	400487
Subledger Code	:	L10007
Account Code	:	14425
Charge Code	:	59
CC Code	:	385

Subject : "WORK ORDER" – reg.

Name of work : Supply and Installation of Cold Insulation with Preformed/in-situ polyurethane foam (PUF) with ancillaries and cladding for Chilled Water supply System Piping and Pipe Fittings at various locations inside Reactor building and Reactor auxiliary buildings of KKNPP Unit-3

- Ref. 1. E-Tender No. : NPCIL/KK-3&4/CONST/MECH/PT/2026/17
2. Our Ref No. : Through CPP Portal dated: 09.02.2026 (Corrigendum for extension of Bid submission date and Bid Opening date - reg.)
3. Our Ref No. : Through CPP portal Dated: 25.03.2026 (1st time Asking additional document for evaluation)
4. Your Ref No. : Through CPP portal Dated: 01.04.2026 (Submission of additional document for evaluation-reg.)
5. Your Ref No. : Through CPP portal Dated: 07.04.2026 (2nd time Asking additional document for evaluation)
6. Your Ref No. : Through CPP portal Dated: 10.04.2026 (Submission of additional document for evaluation-reg.)
7. Your Ref No. : Through CPP portal Dated: 16.04.2026 (3rd time Asking additional document for evaluation)
8. Your Ref No. : Through CPP portal Dated: 18.04.2026 (Submission of additional document for evaluation-reg.)

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Please refer to your above cited tender in response to e-TENDER NOTICE No: NPCIL/KK-3&4/CONST/MECH/PT/2026/17 for the above work, Part-I and Part-II were opened on 09.03.2026 and 25.04.2026 respectively.

1. BID ACCEPTANCE:

This is to inform you that the tender submitted by you and modified through subsequent letters referred above has been accepted for and on behalf of Nuclear Power Corporation of India Limited, for the items of work shown in the schedule of quantities and rates covered by the tender for a total value of ₹ 3,19,89,064.80 (**Rupees Three Crores Nineteen Lakhs Eighty Nine Thousand Sixty Four and Eighty paise Only**) inclusive of all applicable taxes, including Goods and Services Tax (GST).

2. RATES:

The rates quoted by the contractor as given in Annexure- 'I' (Schedule of Quantities and rates) are for complete items of work including supply of all materials (unless otherwise specified), consumables, all temporary arrangements, all labours, all taxes (including GST) levies, applicable from time to time and incidental charges as per terms, conditions and specifications mentioned in the tender document will remain firm until the entire period of contract.

3. EXECUTION OF WORK:

The work shall be carried out strictly in accordance with the terms and conditions and specifications, drawings stipulated in the tender and also in best workmanlike manner. You shall employ and maintain qualified engineers/supervisors in the job at all times. You shall also bring to the site and employ such machinery and equipments and other materials as are necessary for the satisfactory completion of this work.

4. CONTRACT PERIOD:

The work shall be completed in all respects within **10 Months (including monsoon period)** from the date of commencement including Sundays, Holidays and rainy season/days, if any. The date of commencement will be reckoned within 14 days from the date of work order. The time shall be essence of the contract and the work shall be completed as per approved programme of work.

5. CONTRACT PRICE ADJUSTMENT:

Contract Price Adjustment is not applicable as per clause No.11.3 of General Conditions of Contract.

6. AUTHORISED OFFICIALS:

You are requested to submit the name of the authorized Representative who will deal with all matters relating to the contract with the power of Attorney in his/her favor, duly executed on Stamp paper of an appropriate value as per tender condition shall be furnished to Engineer-in-charge.

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7. LIABILITY FOR DAMAGE AND INSURANCE: (As per clause No.2 of Part-I of Special Instructions in Section-III of tender)

You shall provide the following insurance policies in the joint names of the Corporation and the Contractor, insurance cover from the date of commencement of work to the end of the Defects Liability Period. You will be fully responsible for any loss, damage or destruction of NPCIL works, structures, plant & machineries, property, persons etc., as per GCC Clause no. 14 & 15. The quoted rate shall include the premium amount for insurance policies as given in Sch-A Part-I of Section-I of tender S.No.25 and clause No.15.1 of GCC. All insurance submitted should be Work Order specific wherever applicable. You have to submit the copies of Insurance policies along with the original policy to the Engineer-in-charge before the commencement of work.

- 7.1 Contractor's All Risk (CAR) Policy** shall be for the whole contract value with GST @ 18% i.e., ₹ 3,19,89,064.80 including Insurance for Third Party Liability for 10% of the Work Order value inclusive of GST i.e., ₹ 31,98,906.48
- 7.2 Workmen Compensation Policy** shall cover all workmen/employees employed in this work who are not covered under ESI Act.
- 7.3 Group Insurance Policy** is to cover Contractor, Engineers and supervisors employed by you. If already covered, documentary proof of the same shall be produced.

8. TAXES

- 8.1** Income tax and statutory levy etc. if any, on works contract, as notified by Central/State Govt. from time to time shall be recovered from your running bills as well as final bill for this work in the prescribed manner. You are requested to submit copy of your GST No. & Permanent Account Number to Engineer-in-charge.
- 8.2** For GST related compliance (including TDS) refer Special Conditions of Contract (SCC) is attached in Section-III of tender and clause no 11 of Part-2 of Section-I of tender.

9. ENGINEER-IN-CHARGE:

Shri. Korra Suresh Naik, SO/D (Mech), KK-3&4. Email: ksureshnaik@npcil.co.in, contact No: 04637-263594 will be the Engineer-in-charge for this work. You may make necessary arrangements for commencing the work immediately in consultation with Engineer-in-charge.

10. SECURITY DEPOSIT:

You may please note that security deposit will be ₹ 31,98,906.48 (@ 10 % of the contract value inclusive of GST). Initially you will have to submit a performance guarantee for ₹15,99,453.24 (50% of security deposit) within 30 days after issue of work order. The remaining amount of security deposit of ₹15,99,453.24 will be recovered from the RA bill/ final bill at the rate of 6% of each bill amount. Security deposit amount will not bear any interest. Refer Section – II of tender for full details of Security deposit and its release. Defect liability period is 12 months from the certified date of completion of the contract as per Schedule: A of Part-I of section-I of tender and Clause No.9.1.1 of General Conditions of

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Contract. Failure of furnishing the Performance Guarantee within 30 days as stated above shall constitute sufficient grounds for cancellation of the award of work.

11. APPLICABLE LAWS & ACTS:

You shall comply with various provisions of Contract Labour (Regulation & Abolition) Act 1970, and Rules framed there under from time to time. In case the Contract Labour Act does not apply to your organization the Contractor should intimate the Engineer-in-charge of this work accordingly before commencing the work. Further you shall also comply with the provisions of other laws such as Workmen's Compensation Act 1923, Minimum Wages Act 1948, E.P.F. Act, Bonus Act, Gratuity Act and other Labour Laws as applicable to your organization. In case NPCIL is required to incur any expenses as Principal Employer under the provisions of the various laws, NPCIL shall be entitled to recover the same from you from your bills.

12. PAYMENT TERMS:

- 12.1 In respect of all items in the schedule of quantities and rates of Work order, the payments shall be made on submission of bills for the work along with the joint measurements, through monthly RA bills, as per General Conditions of Contract of tender & against submission of Tax invoice as applicable in compliance to clause no 11 of Part-2 of section-I /NIT.
- 12.2 The first running account bill will be paid only after submission of the documents as mentioned in Clause No.16(A) and 16(B) part-I of Special instructions in Section-III of tender.
- 12.3 Final bill will be paid only after submission of the documents as mentioned in clause No.16(C) of Part-I of special instructions in Section-III of tender.
- 12.4 Terms of Payments: Stage payment is attached as Annexure-III

13. PENALTIES:

Penalties imposed by Engineer-in-charge for non-compliance of work requirements will be recovered from bills of the contractor before release of payment as per clause No.20 of Part-I of Section-III of tender.

14. ELECTRICITY:

Electric power will not be supplied by NPCIL. If required by the contractor, it will be made available on chargeable basis as per prevailing TNEB Tariff, applicable from time to time, from existing nearby NPCIL source at a nominal system voltage of 415 volts, 3 phase, 4 wire, 50 Hz. However, you can arrange your own power supply, subject to meeting the statutory norms, as mentioned in clause No.4.14.1 of General Conditions of Contract and S.No. 3&4 of Schedule-A of part-1 of section-I in tender document.

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15. FREE ISSUE MATERIAL:

Free issue material and supply of material and its material accounting shall be as per Schedule-B/Section VII of tender Document enclosed as Annexure-II.

16. All other terms and conditions not specifically brought out in this work order shall be governed as per Special Conditions of Contract, special instructions and General Conditions of Contract.

17. AGREEMENT:

You are requested to bring ₹ 100.00 Non judicial stamp paper in your company name for preparation of agreement document immediately after the receipt of work order. Further you are requested to attend the office for signing the formal agreement document within 30 days from the date of issue of this work order. Unless the agreement document is signed, the first RA bill will not be passed. Till then a formal agreement document is executed, the original tender together with letters under reference and this Work order shall form the binding contract between us.

18. ACCEPTANCE OF WORK ORDER:

Please acknowledge by a letter, the receipt of this work order and the acceptance of the terms and conditions indicated in this contract immediately on issue of work order. Also as a token of acceptance, the Contractor is requested to sign the copy of this work order and send it along with the acceptance letter, to HEAD (C&MM-Works), C-Block, Ground Floor, Kudankulam Nuclear Power Project, Kudankulam P.O, Radhapuram Taluk, Tirunelveli District, Tamil Nadu and a copy to Engineer In-charge of this work.

Thanking you,

(Manoj Kumar Singh)
Sr. Manager (C&MM-Works Group)
For and on behalf of
Nuclear Power Corporation of India Ltd.

Encl:

1. Schedule of Quantities and Rates – 'I'
2. Schedule A, Schedule B(Supply of Free Issue Materials) Schedule C- Annexure-'II'
3. Stage Payment Annexure –'III'

Item Rate BoQ

Validate Print Help

Tender Inviting Authority: Sr. Manager, CMM (Works Group)

Name of Work: Supply and Installation of Cold Insulation with Preformed/in-situ polyurethane foam (PUF) with ancillaries and cladding for Chilled Water supply System Piping and Pipe Fittings at various locations inside Reactor building and Reactor auxiliary buildings of KKNPP Unit-3

Contract No:

Bidder Name : Lloyd Insulations (India) Limited

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	Quoted item RATE In Figures To be entered by the Bidder Rs. P	Quoted item AMOUNT With Taxes (in Rs)	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Quoted item RATE In Figures To be entered by the Bidder Rs. P	Quoted item AMOUNT With Taxes (in Rs)	TOTAL AMOUNT In Words	NUMBER #	TEXT #
1	2	4	5	13	54	55		
1	Supply and application of external Cold Insulation on Chilled Water Piping and pipe fittings with Pre-formed/in-situ polyurethane with SS cladding. Insulation work consists of supply of all and necessary chemicals for in situ casting of insulation, pre-formed Polyurethane foam blocks, supply of all ancillaries, arranging tools & tackles, scaffolding for touch up painting, joint cleaning with buffing work, preparatory works and insulation work, manpower, sealant, cold stickers, vapor barriers, cladding material(SS 304), glass cloth, support system for removable type insulation and cladding, finishing and other auxiliary items like securing devices like clamps, wire mesh, screws, lace wire cleaning consumables, carboys, Safety PPEs, storage facilities, sheet metal work for bending of SS sheets to obtain required shapes and thickness of insulation as per pipe diameter, shifting of material to location, cleaning of pipelines, erection on pipelines, handling of chemicals, preparation of chemical injecting ports, injecting of the chemical solution, removal and cleaning of any spillages, performing inspection and preparation of reports for pipe of dia 15 to 600NB.							
1.1	Performing PUF insulation of Thickness up to 35mm with SS cladding	360	Sq.Meter	3997.8000	1439208.00	INR Fourteen Lakh Thirty Nine Thousand Two Hundred & Eight Only		
1.2	Performing PUF insulation of Thickness greater than 35mm and up to 40mm with SS cladding	200	Sq.Meter	4058.0000	811600.00	INR Eight Lakh Eleven Thousand Six Hundred Only		
1.3	Performing PUF insulation of Thickness greater than 40mm and up to 45mm with SS cladding	1180	Sq.Meter	4117.0000	4858060.00	INR Forty Eight Lakh Fifty Eight Thousand & Sixty Only		
1.4	Performing PUF insulation of Thickness greater than 45mm and up to 50mm with SS cladding	575	Sq.Meter	4177.2000	2401890.00	INR Twenty Four Lakh One Thousand Eight Hundred & Ninety Only		
1.5	Performing PUF insulation of Thickness greater than 50mm and up to 55 with SS cladding	850	Sq.Meter	4237.4000	3601790.00	INR Thirty Six Lakh One Thousand Seven Hundred & Eighty Nine and Paise One Hundred Only		
1.6	Performing PUF insulation of Thickness greater than 55mm with SS cladding	150	Sq.Meter	4296.4000	644460.00	INR Six Lakh Forty Four Thousand Four Hundred & Sixty Only		
2	Supply and application of external Cold Insulation on Chilled Water Piping and pipe fittings with Pre-formed/in-situ polyurethane with Aluminium cladding with polysurym coating of 3 mil thick. Insulation work consists of supply of all and necessary chemicals for in situ casting of insulation, pre-formed Polyurethane foam blocks, supply of all ancillaries, arranging tools & tackles, scaffolding, joint cleaning with buffing work, manpower, sealant, cold stickers, vapor barriers, cladding material/Aluminium as per IS 737), glass cloth, support system for removable type insulation and cladding, finishing and other auxiliary items like securing devices like clamps, wire mesh, screws, lace wire cleaning consumables, carboys, Safety PPEs, storage facilities, sheet metal work for bending of cladding sheets to obtain required shapes and thickness of insulation as per pipe diameter, shifting of material to location, cleaning of pipelines, erection on pipelines, handling of chemicals, preparation of chemical injecting ports, injecting of the chemical solution, removal and cleaning of any spillages, performing inspection and preparation of reports for pipe of dia 15 to 600NB.							
2.1	Performing PUF insulation of Thickness up to 35mm with AL cladding	400	Sq.Meter	3450.3000	1380120.00	INR Thirteen Lakh Eighty Thousand One Hundred & Twenty Only		

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2.2	Performing PUF insulation of Thickness greater than 35mm and up to 40mm with AL cladding	400	Sq.Meter	3510.5000	1404200.00	INR Fourteen Lakh Four Thousand Two Hundred Only
2.3	Performing PUF insulation of Thickness greater than 40mm and up to 45mm with AL cladding	1736	Sq.Meter	3569.5000	6196652.00	INR Sixty One Lakh Ninety Six Thousand Six Hundred & Fifty Two Only
2.4	Performing PUF insulation of Thickness greater than 45mm and up to 50mm with AL cladding	500	Sq.Meter	3629.7000	1814850.00	INR Eighteen Lakh Fourteen Thousand Eight Hundred & Fifty Only
2.5	Performing PUF insulation of Thickness greater than 50mm and up to 55 with AL cladding	800	Sq.Meter	3688.7000	2950960.00	INR Twenty Nine Lakh Fifty Thousand Nine Hundred & Sixty Only
2.6	Performing PUF insulation of Thickness greater than 55mm with AL cladding	332	Sq.Meter	3748.9000	1244634.80	INR Twelve Lakh Forty Four Thousand Six Hundred & Thirty Four and Paise Eighty Only
3	Supply of Zinc anode-304 primer& required Thinner 870: Supply, handling, transport, storage, incoming inspection of M/s Berger Zinc Anode-304 NPC	200	Litres	749.3000	149860.00	INR One Lakh Forty Nine Thousand Eight Hundred & Sixty Only
4	Supply of Protectomastic Epoxy paint: Supply, handling, transport, storage, incoming inspection of M/s Berger Zinc Protectomastic Epoxy paint of colour EAU DE NIL along with required thinner	400	Litres	388.2000	155280.00	INR One Lakh Fifty Five Thousand Two Hundred & Eighty Only
5	One unskilled helper carrying out works such as shifting of materials, area clearing, pipe or pipe support surface cleaning, removal of dust, unwanted sticking, foreign particles, housekeeping, assisting NPCIL personnel and collection and removal of debris like wooden scrap, woods, paper etc for preparing of the pipe and pipe support surface for touch up painting, including consumables, cleaning agents and tools and tackles, PPEs for 9hrs (including lunch hour) a day is considered as one operation.	900	Operation	1283.8000	1155420.00	INR Eleven Lakh Fifty Five Thousand Four Hundred & Twenty Only
6	One skilled grinder carrying out works such as buffing of joints of pipe or pipe support surface, cleaning, removal of rust, unwanted sticking, foreign particles, etc for preparing of the pipe and pipe support surface for touch up painting, including consumables, cleaning agents and tools and tackles, PPEs for 9hrs (including lunch hour) a day is considered as one operation	750	Operation	1457.3000	1092975.00	INR Ten Lakh Ninety Two Thousand Nine Hundred & Seventy Five Only
7	One skilled painter performing inspection of the cleaned surface, mixing of the supplied primer and paint with thinner to required ratio of mix as per technical specifications of paint and primer, shifting of mixed paints to location, application of primer and paint to obtain the required DFT, coordinating with NPCIL personnel for inspection, including PPEs for 9hrs (including lunch hour) a day is considered as one operation, cost of consumables, cleaning agents and tools and tackles shall be considered under SQQR item 1	450	Operation	1526.9000	687105.00	INR Six Lakh Eighty Seven Thousand One Hundred & Five Only
8	Applicable GST Rate (%) Included in the Quoted Price				18%	
Total in Figures					31989064.80	INR Three Crore Nineteen Lakh Eighty Nine Thousand & Sixty Four and Paise Eighty Only
Quoted Rate in Words		INR Three Crore Nineteen Lakh Eighty Nine Thousand & Sixty Four and Paise Eighty Only				

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Kudankulam Nuclear Power Project	Supply and Installation of Cold Insulation with Preformed/in-situ polyurethane foam (PUF) with ancillaries and cladding for Chilled Water supply System Piping and Pipe Fittings at various locations inside Reactor building and Reactor auxiliary buildings of KKNPP Unit-3
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Annexure-II

SCHEDULE 'B'

MATERIAL ISSUED TO THE CONTRACTOR

(The Engineer-in-charge/Officer-in-charge to indicate permissible wastage before issue of tender duly approved by the Competent Authority)

Sl. No	Particulars	Unit	Rate at which Material will be issued	Maximum Invisible wastage (Non-Returnable) %	Maximum permissible wastage (Returnable in case of free issue) %	Qty to be Issued (approx.)
-----NA-----						

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Annexure-III

Sr No	Item No	Description	UOM	Qty	stage-3		stage-2		stage-3		stage-4		stage-5
					%	Description	%	Description	%	Description	%	Description	
		WORK: Cold Installation of Chilled Water system Pipeline, which includes pipes, pipe supports and pipe fittings as valves, flanged joints, Strainers, Plug elements, instrument connections located at various locations inside Reactor Building and Reactor Auxiliary building conforming to IS 12836, Thermal Conductivity of 0.024 W/mK at 20 deg. Allen determined as per IS 3349/IS 7469.											
		Description											
		Supply and application of external Cold insulation on Chilled Water Piping and pipe fittings with Pre-formed/in situ polyurethane with SS cladding. Insulation work consists of supply of all necessary chemicals for in situ casting of insulation, pre-formed Polyurethane foam blocks, supply of all ancillaries, arranging tools & tackle, scaffolding for touch up painting, joint cleaning with buffing work, preparatory works and insulation work, manpower, sealant, cold stickers, vapor barriers, cladding material(SS 304), glass cloth, support system for removable type installation and cladding, cleaning consumables, carbide Safety PFES, stage facilities, sheet metal work for bending of stainless steel sheets to obtain required shape and thickness of insulation as per pipe diameter, shifting of material to location, cleaning of pipelines, erection on pipeline, handling of chemicals, shipment of chemical inspecting ports, injecting of the chemical solution, removal and clearing of any spillages, performing inspection and preparation of reports for pipe of dia 15 to 600NB.	Sqm	360									
	1.1	Performing PU/P insulation of Thicknesses up to 35mm with SS cladding	Sqm	200									
	1.2	Performing PU/P insulation of Thickness greater than 35mm and up to 40mm with SS cladding	Sqm	1180									
	1.3	Performing PU/P insulation of Thickness greater than 40mm and up to 45mm with SS cladding	Sqm	575									
	1.4	Performing PU/P insulation of Thickness greater than 45mm and up to 50mm with SS cladding	Sqm	850									
	1.5	Performing PU/P insulation of Thickness greater than 50mm and up to 55 with SS cladding	Sqm	150									
		Supply and application of external Cold insulation on Chilled Water Piping and pipe fittings with Pre-formed/in situ polyurethane with Aluminum cladding with polysulfuric coating of 3 mil thick. Insulation work consists of supply of all and necessary chemicals for in situ casting of insulation, pre-formed Polyurethane foam blocks, supply of all ancillaries, arranging tools & tackle, scaffolding or other suitable buffer, dry mix concrete, shotcrete, curing compound, aluminum cladding material/aluminum as per IS 737, glass cloth, support system for removable type insulations, cladding, finishing and other auxiliary items like securing devices like clamps, wire mesh, screws, lace wire cleating consumables, carbonyl Sidesy PFES, storage facilities, sheet metal work for bending of charring sheets to obtain required shapes and thickness of insulation as per pipe diameter, shifting of material to location, cleaning of pipelines, erection on pipeline, handling of chemicals, shipment of chemical inspecting ports, injecting of the chemical solution, removal and clearing of any spillages, performing inspection and preparation of reports for pipe of dia 15 to 600NB.											
	2			40	After supply of material with required TC and reports, inspection, IAB preparation and submission for relevant Reports	25	Completion of PU/P insulation application performed in situ, verification and submission of inspection reports and acceptance of sustainability and reports	25	Completion of PU/P insulation application performed in situ, verification and submission of inspection reports and acceptance of sustainability and reports	8	Submission and Acceptance of CCC	2	Final bill
	2.1	Performing PU/P insulation of Thickness up to 35mm with Al cladding	Sqm	4200									
	2.2	Performing PU/P insulation of Thickness greater than 35mm and up to 40mm with Al cladding	Sqm	400									
	2.3	Performing PU/P insulation of Thickness greater than 40mm and up to 45mm with Al cladding	Sqm	1736									
	2.4	Performing PU/P insulation of Thickness greater than 45mm and up to 50mm with Al cladding	Sqm	500									
	2.5	Performing PU/P insulation of Thickness greater than 50mm and up to 55 with Al cladding	Sqm	890									
	2.6	Performing PU/P insulation of Thickness greater than 55mm with Al cladding	Sqm	332									
	3	Supply of Zinc anode-304 galvanneal qualified Thickness 870, Supply: handling, transport, storage, incoming inspection of M/A Berger Zinc Anode-304 NPC	lt	200	After supply of material with required TC and reports, inspection, IAB preparation and submission for relevant Reports								
	4	Supply of Frosteratec Epoxy paint: handling, transport, storage, incoming inspection of M/A Berger Zinc Polyesterate Epoxy paint of colour EAU DEN NL along with required thinner	lt	400	After supply of material with required TC and reports, inspection, IAB preparation and submission for relevant Reports								
	5	Care unskilled helper carrying out works such as shuffling of materials, area cleaning, hose or pipe support surface cleaning, removal of dust, unwanted sticking, foreign particles, housekeeping, assisting NPCL personnel collection and removal of debris like wooden scrap, woods, paper etc for preparing of the pipe and pipe support surface for touch up painting/cleaning consumables, use of cleaning agents and tools and tackles, PFES for 9hrs (including lunch hour) a day is considered as one operation	Operatio ns	900	'On completion of job of daily performed as per requirement								
		Care unskilled grinder carrying out works such as buffing of joints of pipe or pipe support surfaces, removal of rust, unwanted sticking, foreign particles, etc for projecting of the pipe and pipe support surface for touch up painting/cleaning consumables, cleaning agents and tools and tackles, PFES for 9hrs (including lunch hour) a day is considered as one operation	Operatio ns	750	'On completion of job of daily performed as per requirement								
		Care skilled painter performing inspection of the cleaned surface, making of the supplied primer and coat with thinner to required ratio of mix as per technical specifications of paint and primer, shifting load paints to location, application of primer and paint to obtain the required DFT, coordinating NPCL personnel for inspection,including PFES for 9hrs (including lunch hour) a day is considered as one operation, cost of consumables, cleaning agents and tools and tackles will be included	Operatio ns	450	'On completion of job of daily performed as per requirement								

17.2.2. payment for the supply of raw material (in proportion to Sprinter) for in-situ PU² application of work shall be established by contractor through mockup/standard guidelines to the satisfaction of Engineer.

Signature Not Verified
Digitally signed by MANOJ KUMAR SINGH
Date: 2026.05.29 15:47:10 IST
Location: eProcurement System for Central
PSUs

phosphorus