



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Nuclear Power Corporation of India Limited
(भारत सरकार का उद्यम Government of India Enterprise)



कैगा स्थल KAIGA SITE

C & MM-(WORKS GROUP) सी एंड एमएम (वर्क्स ग्रुप)

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Website: www.npcil.nic.in

Ref: NPCIL/KAIGA/C&MM-WG/VO/2026/1249

Date: 30 - 03 - 2026.

Work Order

To:

M/S ADVANCE SURFACE TECHNOLOGY
D-90 NATWAR NAGAR DHAULI PYAU
MATHURA-281001(U.P)

Kind Atten: Shri Sonu Chaudhary

Mobile No.: 7417431847

E-mail: advancesurfacetechology@gmail.com

Work Order Fais No.	:	102183
S.L. Code	:	A0171102183
Account Code	:	74200
Charge Code	:	6153
MSME Category	:	NA
MSME Reg. No.	:	NA

WORK ORDER NO.: 2025_NPCIL_257992_1/06000/VO

Sub: Repair of Unit 1 CCW tunnel from CWPB to TB-1 using grouting, protective coating and repair mortar at KGS 1&2.

Ref: 1) TENDER ID: 2025_NPCIL_257992_1

2) TENDER NO.: NPCIL/C&MM(WORKSGROUP)/C&SM-1&2/CPPP/2025/105

3) Last date of submission of tender is 29.12.2025.

Dear Sir,

1) Bid Acceptance:

This is to inform you that, the bid submitted by you as referred above has been accepted for and on behalf of NPCIL, for the items of work shown in the enclosed schedule of quantities and rates for a total value of Rs. 1,33,98,500.00 (Rupees One Crore, Thirty Three Lakhs, Ninety Eight Thousand and Five Hundred Only) inclusive of all applicable taxes and including 18% GST.

पंजीकृत कार्यालय 16 : वी तलसेंटर , -1, वर्ल्ड ट्रेड सेंटर, 400005-मुम्बई , कोलाबा , कफे परेड ,
Registered Office: 16th Floor, Centre-1, World Trade Centre, Cuffe Parade, Colaba, Mumbai-400005.

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WORK ORDER NO.: 2025_NPCIL_257992_1/06000/WO

2) QUANTITIES & RATES:

You may note that the rates are for complete items of work including supply of all materials (unless otherwise specified), consumables, all temporary arrangements, all labours, all prevailing duties, taxes including GST.

3) CONTRACT PRICE ADJUSTMENT:

Escalation of payment shall be applicable as per GCC Clause no. 11.3, Sl. No. 21 of Schedule-A & Other conditions of this contract.

4) EXECUTION OF WORK:

The work shall be carried out strictly in accordance with the terms, conditions, specifications and 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 equipment and other materials as are necessary for the satisfactory completion of this work.

5) CONTRACT PERIOD:

5.1 Schedule completion Period:

The work shall be completed in all respect within **273 Calendar Days** (including monsoon period) from the date of commencement. **The date of commencement of work will be reckoned within seven (07) days from the date of issue of Work Order.** The time shall be essence of the contract and the work shall be completed as per approved program of work.

5.2 Defect Liability Period:

The Defect Liability Period as per Para 9.1.1 of Schedule-A of Tender is **12 Months**.

6) AUTHORISED OFFICIALS:

6.1 You are requested to inform the name of the authorized representative who will deal with all matter relating to the contract and the Power of Attorney in his favour duly executed on stamped paper of an appropriate value shall be furnished.

6.2 During the execution of the contract and until completion certificate is issued you will be fully liable to compensate all concerned for any loss, damage or destruction



WORK ORDER NO.: 2025_NPCIL_257992_1/06000/WO

of work, structure, property etc. including third party risk arising due to causes attributable to you which will be decided by the Engineer-in-charge whose decision in this regard will be final.

7) INSURANCE:

You are required to take out following insurance policies applicable to this contract at your cost immediately after receipt of this work order from the date of commencement of work to the end of the Defect Liability Period for whole contract value Inclusive of GST.

- a) CAR policy for the whole contract value.
- b) The Insurance amount should cover THIRD PARTY LIABILITY to 10% of Contract value subject to a maximum of Rs. 50 lakhs.
- c) Employees State Insurances for contract workers.
- d) Wherever ESI Act not covers the contract worker based on monthly wage/ salary, contractor shall obtain the employees/ Workmen compensation for such workers.

You may note that all insurance policies taken under 7 (a), (b) & (d) are to be in Joint names of Corporation and the contractor and specific to work by mentioning the name of work and work order Number in the policies and all Policies in Original should be submitted to the Engineer-in-charge before the date of commencement of work. Copy of ESI registration certificate shall be submitted to EIC before commencement of the work.

8) TAXES & DUTIES:

For tax related compliance (including TDS) refer Contract document, GCC and Special Conditions of Contract (SCC).

9) ENGINEER-IN-CHARGE:

Shri Kamal P. Ayyanna, OIC(C&SM), KGS-1&2 will be the Engineer-in-Charge of this work. You may make necessary arrangements for commencing the work immediately in consultation with Engineer-in-Charge.

10) SECURITY DEPOSIT:

Security Deposit shall be @ 10% of the contract value including GST will be **₹ 13,39,850 /-** (Rupees Thirteen Lakhs Thirty Nine Thousand Eight Hundred and Fifty Only) and shall be governed as per clause no.4.2 of GCC and as per the relevant orders issued by Govt. of India.



WORK ORDER NO.: 2025_NPCIL_257992_1/06000/WO

10.1 PERFORMANCE GUARANTEE:

As per clause No.4.2.3 of GCC you shall submit a performance guarantee for ₹ 6,69,925 /- (50% of Security Deposit) to the Corporation within 30 days after issue of work order. It should cover the contract period plus defect liability period. In case bank guarantee is submitted it shall be as per the format given in the tender document.

10.2 RETENTION MONEY:

As per clause No.4.2.5 of GCC, the remaining amount (50% of Security Deposit) of Security Deposit of ₹ 6,69,925 /- will be deducted as a Retention money from the RA bill/final bill at the rate of 6% of each bill amount. Security Deposit amount will not bear any interest.

10.3 REFUND OF SECURITY DEPOSIT:

Refund of Security deposit will be regularized as per clause no. 4.3 of General Condition of Contract.

11) APPLICABLE LAWS & ACTS:

- 11.1 You shall comply with various provisions of the contract labour (Regulations & Abolition) Act 1970 and rules framed thereafter from time to time. In case, the Contract Labour Act does not apply to your organization you 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, ESI Act, Gratuity Act and other labor 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, NPC shall be entitled to recover the same from you/your bills.
- 11.2 You have to give request for the issue of Principal Employer's Certificate for obtaining labour license based on the maximum number of workmen you proposed to employ for this work. You may please note that within 14 days from the date of issue of this work order, you will have to apply for a labour license to the Asstt. Labour Commissioner, of the area, for the maximum number of workers you had indicated to engage on the work.
- 11.3 The contractor shall make the payment to all its labours on or before 7th of succeeding month and as defined in special condition of contract.



WORK ORDER NO.: 2025_NPCIL_257992_1/06000/WO

11. 4 Labour License (if applicable),

12) PAYMENT TERMS:

12.1 The progressive monthly payment for the work completed and accepted by Engineer-In-Charge shall be made through Running Account bills once in a month as per clause No:12.2 of GCC on submission of measurement / bill by the contractor. Submission of bills on monthly basis shall be ensured by the Contractor.

12.2 Payment of bills will be processed on submission of GST Invoice duly supported with Annexure-8 (Declaration Form for GST).

12.3 In addition to above, first Running Account bill will be processed only on Intimation from Tender Section regarding Work order acceptance & agreement signed by the contractor and submission of Insurance Policies, Copy of PAN, GST Registration certificate and cancelled cheque for Bank Account details to the Engineer-In-Charge.

13) PENALTY & LIQUIDATED DAMAGES CLAUSE:

Penalties imposed by Engineer In-charge for non-compliance or violation of certain conditions of contract, Liquidated Damages for delay in execution and any other penalty in the nature of fine imposed during execution of work will be recovered along with applicable GST there on from bills of the contractor before release of payment.

14) SECURITY, SAFETY & HOUSEKEEPING:

You may have to comply all Security, Safety rules & regulations, Environmental measure as defined in the Contract.

15) TRANSPORT & ACCOMMODATION:

Contractor shall make his own arrangement for Accommodation & Transportation of manpower deployed for this work.



WORK ORDER NO.: 2025_NPCIL_257992_1/06000/WO

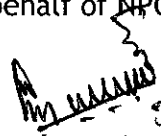
16) AGREEMENT:

A formal agreement incorporating all the terms and conditions agreed between NPCIL and **M/S ADVANCE SURFACE TECHNOLOGY** will be executed as per Clause No 21.3 of Tender document and as defined in the special condition of contract from the date of issue of this work order. Till a formal agreement is executed the original tender together with letters under reference and this work order shall form the binding contract between NPCIL and **M/S ADVANCE SURFACE TECHNOLOGY**.

Kindly acknowledge receipt of this Work Order.

Thanking you,

Yours faithfully
For and on behalf of NPCIL


(Vishweshwar)
DGM, C&MM-Works Group

30.3.26

Encl: Schedule of quantities and rates.



CoManas Name of Work: Repair of Unit 1 CCW tunnel from CWPB to TB-1 using grouting, protective coating and repair mortar at KGS 1&2.
WO / SOQR Number : 102183 Agency Name : M/S ADVANCE SURFACE TECHNOLOGY

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
Schedule : SMU:NA		Rate in Words					
1	Surface cleaning inside the tunnel with high pressure water jet machine including providing water jet machine, required hose pipes, and required manpower, cleaning the surface by removing algae growth, mud, fallen leaf, etc. removing and disposing the waste material up to 02 Km distance etc complete as per direction of Engineer-in Charge	Sq.m	5000	120	-	-	6,00,000.00
			Rupees One Hundreds Twenty Only				
2	Preparing the concrete surface and treating minor defects in concrete with Repair mortar of compressive strength >50Mpa, Flexural Strength >6Mpa at 28 days Tensile strength >2Mpa using - Smartcare repair mortar or equivalent.	Sq.m	250	250	-	-	62,500.00
			Rupees Two Hundreds Fifty Only				
3	Drilling hole by using power operated drilling machine, cleaning the drilled holes using power operated airblower, providing and fixing non returnable Aluminium packers/nozzle in vertical, horizontal and ceiling area for grouting. 14 mm diameter, 1/4 depth of thickness of wall, 150mm C/C or as per requirement of site condition. rates inclusive of materials, machinery, labour, tools, tackles, scaffolding, transportation, material testing certification as per ISO with all lead and lifts etc., complete by an authorised applicator as per specifications of manufacturer.	Nos	800	400	-	-	3,20,000.00
			Rupees Four Hundreds Only				
4	Injection Grouting of Ultra-Low Viscosity PU grout: Pressure grouting by two component Ultra-Low Viscosity PU grout having a viscosity less than 100 mPa.sec and hardens in both dry and wet conditions to form an elastic and flexible gel-like material, through pre-fixed nozzles/packers as per manufacturer's guidelines using a special two-compartment grouting pump, under pressure (2-3kg/Sqcm) as per Technical specifications. Remove the nozzles/packers next day by cutting and seal it with non-shrink epoxy putty to the concrete surface level. The PU grout shall have the following Technical specification. Material- Two component PU grout of low viscosity Viscosity<100 mPa.sec. Density-1.05 gm/cm3 Mixing ratio-1:1 parts by volume Application temperature->50C Pot life-30 minutes. The rate shall include cost of all required material, machinery, tool,tackles, all consumables and labour wages etc., Complete all as per specification and as directed by the Engineer-In-Charge at all heights / lifts and at all locations.	kg	200	2300	-	-	4,60,000.00
			Rupees Two Thousand Three Hundreds Only				
5	Providing and fixing of expansion joints with joint sealing systems with necessary backer rod, sealants, tapes, capping's, gaskets, etc., complete as per approved details. Application sequence shall be : cleaning the EJ 25mm width and remove any loose material, fixing EPE backer rod of 1.5 - 2x the size of EJ to form a firm backing. Applying gungrade polysulphide sealant about the edges and top of backer rod, Applying polymer sealant on both faces and fix the expansive profile (sikawell A or equivalent) Ensuring that the expansive profile is firm fixed on sides and gap shall be left for longitudinal expansion. Fixing TPE tape of appropriate size as per methodology and adhesive laid down by OEM. specification as : Tape shall have properties of Tensile strength of >10 Mpa as per ASTM D 412, elongation at failure above 400 % as per ASTM D 412, Tear strength of 25 KN/m as per , ASTM D 624 , Shore A Hardness of 65 as per ASTM D 2240, Service temperature of range from -20°C to +80°C as perASTM D 903, Adhesion by Epoxy- ToughX Adhesive @ 24 Hrs is 16.7 & (A/F), Alkali Resistant = ±20% as per ASTM E 96 , Vapour Diffusion Strength Co-efficient App. 30000 ± 30% μ, etc., complete as per the consultant approved drawings.	RMT	180	1900	-	-	3,42,000.00
			Rupees One Thousand Nine Hundreds Only				
6	Supply and apply for multi purpose epoxy bonding agent with flextural strenght>35 Mpa as per ASTM D790, Tensile strength >70 Mpa as per ASTM D 638 as per manufacturer specification	Sq.m	5000	220	-	-	11,00,000.00
			Rupees Two Hundreds Twenty Only				

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
7	Supply and apply for repair mortar of compressive strength >50Mpa, as per ASTM C 109, Flexural Strength >6Mpa ASTM C 348 at 28 days, Tensile strength >2Mpa as per ASTM C 307 with 20 mm thickness using - Smartcare Repair mortar or equivalent as per manufacturer specification	Sq.m	5000	1160	-	-	58,00,000.00
			Rupees One Thousand One Hundreds Sixty Only				
8	Providing & Applying two coats of cementitious, ready-mixed surface waterproofer at the thickness of 3 mm at the consumption of 6 kg/sqm. Typical application includes surface preparation by removing loose concrete, foreign material, cleaning the concrete surface etc, followed by the application of first coat of ready-mixed surface waterproofer at thickness of 1-1.5 mm, the second coat shall be applied when the first coat is still damp. The Waterproofing mortar shall be applied by Brush, Trowel or Spary application. The coating shall have the following properties Adhesion to concrete: =2 Mpa Compressive Strength at 28 days: approx 40 Mpa Bending tensile strength at 28 days: approx 6 MPa Density of Wet Mix: approx 2.0 Kg/lit Capillary absorption:0.06 Kg/m ² -h 0.5 Hydrostatic Pressure head resistance > 16 bar	Sq.m	5000	848	-	-	42,40,000.00
			Rupees Eight Hundreds Forty Eight Only				
9	Providing fixing double scaffolding system (cuplock type) on the interior side , up to seven story height made with 40mm dia M.S tube 1.5 m C/C, horizontal and verticle tube joining with cuplock system with M.S tube , M.S tube Challes, M.S clamps and M.S staircase system in the scaffolding for working platform etc. and maintaing serviceable condition for required duration as provided and removing there after. the scaffolding system will be stiffened with bracing, runners,connection with the building etc where ever required for inspection of work at required location with essential safety features for workman etc. complete as per directions and approval of Engineer-in-charge. the elevation area of the scaffolding shall be measured for payment purpose. Note : The payment will be made once irrespective of duration of scaffolding	Sq.m	2000	237	-	-	4,74,000.00
			Rupees Two Hundreds Thirty Seven Only				

Note: All Item Rates are considered to be in Indian Rupees, unless otherwise explicitly specified and in which case shall be always converted appropriately to arrive at the amount in Indian Rupees.

Work Order Total	Rs. 1,33,98,500.00
Overall Rebate (%)	0
Work Order Value After Overall Rebate in Figure	Rs. 1,33,98,500.00
Work Order Value After Overall Rebate in Words	Rupees One Crore Thirty Three Lakh Ninety Eight Thousand Five Hundreds Only

By M/s. ADVANCE SURFACE TECHNOLOGY
20.03.2024
DGM, C&MM - Works group