



न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Nuclear Power Corporation of India Limited
 (भारत सरकार का उद्यम A Government of India Enterprise)
 मद्रास परमाणु बिजलीघर **MADRAS ATOMIC POWER STATION**
 कल्पाक्कम - 603 102 चेंगलपट्टु जिला (तमिलनाडु)
 Kalpakkam - 603 102 Chengalpattu Dist. (T.N.)



नि.प.सं. CIN: U40104MH1987GOI149458

वेबसाइट पता Website Address: www.npcil.nic.inसंविदा एवं सामग्री प्रबंधन (कार्य) **C&MM (WORKS)**

संदर्भ सं: मपबिघ/केंनिक/सिसेअ/सार्वजनिक/इनि881/2024

Ref No: MAPS/CTC/CSM/PUBLIC/ET881/2024

दिनांक Date : 20/2/2025

कार्य आदेश सं Work Order No. : 12850

लेजर खाता सं Ledger Account No.: 28710

उप लेजर सं Sub Ledger No. : CG2839

सेवा में TO

मेसर्स गवेशहाना जियोसाइंसेस प्राइवट लिमिटेड

M/s. Gaveshana Geosciences Pvt Ltd

भू तल, इकाई सं जीएफ 22, ओमेक्स स्क्वैयर

Ground Floor, Unit No. GF-22, Omaxe Square,

जसोला जिला केंद्र, नई दिल्ली Jasola District Centre,

New delhi, दक्षिण दिल्ली South Delhi-110025.

जीएसटी सं. GST No: 07AADCG6904B1Z0

ई-मेल E-mail: contract@gaveshanageo.com / infor@gaveshanageo.comdrsnschukla@gaveshanageo.com

मोबाइल / फोन नं. Mobile / Phone No.: +91 7428006884/9717239993

क्या एमएसएमई बोलीदार है Whether MSME bidder	NA
क्या अजा/अजजा वर्ग के है Whether SC/ST category	NA
बयाना जमा EMD	PAID

विषय: मपबिघ, कल्पाक्कम में प्रस्तावित विखनिजीकरण (एमईडी) संयंत्र हेतु स्थलाकृति सर्वेक्षण, भू-तकनीकी अन्वेषण तथा संबद्ध कार्यो निष्पादित करना।

Sub.: Carrying out Topographical survey, Geo-technical investigations and allied works for proposed Desalination (MED) plant @ MAPS, Kalpakkam.

संदर्भ: 1. दिनांक: 18/10/2024 को खोली गई निविदा सं. मपबिघ/केंनिक/सिसेअ/सार्वजनिक/इनि881/2024
 02/01/2025 को आयोजित बातचीत बैठक का कार्यवृत्त

Ref.: 1. TENDER NO: MAPS/CTC/CSM/PUBLIC/ET881/2024. OPENED ON 18/10/2024
 2. Minutes of Negotiation meeting held on 02/01/2025

महोदय Dear Sirs,

उपरोक्त कार्य हेतु निआसू सं. मपबिघ/केंनिक/सिसेअ/सार्वजनिक/इनि881/2024 के प्रतिक्रिया में ऊपर कथित आपकी निविदा और 18/10/2024 को खोली गई का कृपया संदर्भ लें।

Please refer to your above cited tender in response to NIT No. MAPS/CTC/CSM/PUBLIC/ET881/2024 for the above work and opened on 18/10/2024

1. आपको यह सूचित करना है कि निविदा द्वारा दिए गए दरों और मात्राओं की अनुसूची में दिखाए गए कार्य मदों के लिए आपके द्वारा प्रस्तुत निविदा और उपरोक्त संदर्भित अनुवर्ती पत्रों में संशोधित के अनुसार वस्तु

एवं सेवा कर @ 18% सहित कुल मूल्य (₹. 9,26,421/- + वस्तु एवं सेवा कर ₹. 1,66,756/-) ₹. 10,93,177/- (दस लाख तिरानबे हजार एक सौ सतत्तर) के लिए कृते न्यूपाकाइलि और की ओर से स्वीकार किया गया है।

This is to inform you that the tender submitted by you and modified in subsequent letters referred above has been accepted for and on behalf of NPCIL, for the items of work shown in the schedule of quantities and rates covered by the tender for a total value of (₹.9,26,421/- + Goods & Service Tax ₹. 1,66,756/-) ₹. 10,93,177/- (Rupees Ten Lakh Ninety Three Thousand One Hundred and Seventy Seven only) including Goods & Service Tax @ 18%

2. कार्य का निष्पादन निविदा दस्तावेज़ में उल्लिखित निबंधनों, शर्तों, विशिष्टताओं और आरेखण के अनुसार सख्ती से और साथ ही साथ सर्वश्रेष्ठ कामगार द्वारा किया जाएगा। आपको कार्य पर हमेशा अर्हतापूर्ण अभियंताओं/पर्यवेक्षकों को नियोजित करना होगा तथा पर्यवेक्षण करना होगा। इस कार्य की संतोषजनक पूर्ति हेतु आवश्यक ऐसी मशीनरी तथा उपस्करों और अन्य सामग्रियों को लगाना होगा और जरूरत होने पर स्थल को भी लाना होगा।

The work shall be carried out strictly in accordance with the terms, conditions, specifications and drawings stipulated in the tender and also in best workman like 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.

3. कार्य को कार्य प्रारंभ दिनांक से 180 दिन ((मानसून अवधि अहित कैलेंडर दिन)) के भीतर सभी तरह से पूर्ति किया जाना है। निम्नांकित दस्तावेजों की प्रस्तुति पर इस कार्य आदेश जारी दिनांक से चौदह दिनों के अन्दर कार्य प्रारंभ दिनांक गिना जाएगा:

- ए. निष्पादन गारंटी
- बी. मपबिघ, न्यूपाकाइलि और मेसर्स गवेशहाना जियोसाइंसेस प्राइट लिमिटेड, सिविल संविदाकार के नाम में संयुक्त वैध बीमा पॉलिसी
- सी. करार निष्पादन
- डी. यथा लागू वैध श्रामिक अनुज्ञप्ति
- ई. वैध मुख्तारनामा
- एफ. आयकर पैन कार्ड सं.
- जी. यथा लागू वैध वस्तु एवं सेवा कर पंजीकरण संख्या
- एच. बैंक आईएफएससी/आरटीजीएस खाता विवरण
- आई. कार्य आदेश स्वीकृति पत्र

संविदा का सारतत्त्व समय होगा और कार्य की अनुमोदित कार्यक्रम के अनुसार कार्य की पूर्ति किया जाना चाहिए।

The work shall be completed in all respects within 180 Days (Calendar days including monsoon period) from the date of commencement. The date of commencement will be reckoned within fourteen days from the date of issue of this work order on submission of the following documents.

- a. Performance guarantee
- b. Valid insurance policy jointly in the name of MAPS, NPCIL and M/s Gaveshana Geosciences Pvt. Ltd
- c. Executing the agreement.
- d. Valid labour licence as applicable
- e. Valid Power of attorney
- f. IT Pan card no.
- g. Valid Goods & Service Tax registration No. as applicable
- h. Bank IFSC/RTGS account details
- i. Work order acceptance letter

The time shall be essence of the contract and the work shall be completed as per approved programme of work.

4. वृद्धि भुगतान स्वीकार्य नहीं है।

Escalation payment is not admissible

5. इस संविदा से संबंधित सभी मामलों को सुलझाने के लिए किसी प्राधिकृत प्रतिनिधि का नाम सूचित करने और साथ ही उचित मूल्य के स्टॉप पेपर पर उनका विधिवत् निष्पादित किया हुआ मुख्तारनामा प्रस्तुत करने का आपसे अनुरोध है।

You are requested to inform the name of the authorized representative who will deal with all matters 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. इस संविदा के निष्पादन और दोष दायित्व अवधि की समाप्ति होने तक आप पर आरोप्य तृतीय पक्षकार जोखिम सहित कोई हानि, कार्य में तोड़फोड़ या क्षति, संरचना, संपत्ति आदि की हानि का सभी संबंधित प्रतिपूर्ति करने के लिए आप पूर्ण रूप से देनदार होंगे। इसका निर्णय प्रभारी अभियंता द्वारा लिया जाएगा तथा इस विषय के संबंध में उनका निर्णय अंतिम होगा।

During the execution of the contract and until completion of defect liability period will be fully liable to compensate all concerned for any loss, damage or destruction 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. आप से अपेक्षा है कि उपरोक्त अवधि हेतु इस कार्य में लगानेवाले आपके सभी श्रामिकों के संबंध में पूरे अनुबंध मूल्य के लिए सीएआर पॉलिसी, अन्य पक्ष की देयता पालिसी, कामगार क्षतिपूर्ति पालिसी लेकर तथा इससे संबंधित दस्तावेज को प्रभारी अभियंता को कार्य प्रारंभ करने के पहले प्रस्तुत करना होगा (संविदा के शर्तों के अनुसार)।

You are required to take CAR Policy for the whole contract value, Third Party Liability Policy, Workmen Compensation Policy in respect of all your workmen engaged in the work for the above period and documents in this regard should be submitted to Engineer-in-Charge before start of work. (As per the conditions of the contract).

8. कार्य संविदा पर केंद्रीय/राज्य सरकार द्वारा समय-समय पर यथा अधिसूचित आयकर और सांविधिक लेवी, बीओसीडब्ल्यू उपकर यदि कोई हो तो, इस कार्य हेतु आपके चालू बिल और अंतिम बिल से निर्धारित तरीके से वसूली जाएगी। प्रभारी अभियंता को आपके स्थाई खाता संख्या (पैन कार्ड) सूचित करने का आपसे अनुरोध है।

Income Tax and statutory Levy, BOCW Cess, 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 bills for this work in the prescribed manner. You are requested to intimate your Permanent Account Number to Engineer-in-Charge.

9. भुगतान जमा करते समय सीजीएसटी / एसजीएसटी / आईजीएसटी पर लागू टीडीएस काट दिया जाएगा
Applicable TDS under CGST/SGST/IGST will be deducted while crediting the payment.

10. इस कार्य हेतु प्रभारी अभियंता श्री कंदकटला प्रणय, वैअ/ डी, होंगे। आप, प्रभारी अभियंता के परामर्श से कार्य को तत्काल प्रारंभ करने की आवश्यक प्रबंध करें।

Shri Kandakatla Pranay, SO/D, 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.

11. आप ध्याना दें कि जमानत जमा ₹. 1,09,318/- होगी (संविदा मूल्य में 10% की दर पर)। प्रारंभ में कार्य आरंभ करने के पहले 14 दिनों के अंदर ₹.54,659/- (जमानत जमा में 50%) के लिए निष्पादन गारंटी

आपको प्रस्तुत करना होगा। जमानत जमा की शेष राशि प्रत्येक बिल राशि में 6% की दर पर चल लेखा बिल/अंतिम बिल से ₹. 54,659/- को वसूली जाएगी। जमानत जमा राशि में कोई ब्याज नहीं होगी।

You may please note that Security Deposit will be ₹. 1,09,318/- (@ 10% of contract value). Initially you will have to submit a performance guarantee for ₹. 54,659/- (50% of Security Deposit) within 14 days before commencement of the work. The remaining amount of Security Deposit of ₹. 54,659/- will be recovered from the RA bill at the rate of 6% of each bill amount / Final bill. Security Deposit amount will not bear any interest.

12. आपको, संविदा श्रमिक (विनियमन व उन्मूलन) अधिनियम 1970 के विभिन्न प्रावधानों और समय-समय पर उसके अधीन बनाए गए नियमों का अनुपालन करना होगा। यदि संविदा श्रमिक अधिनियम आपके संगठन के लिए लागू नहीं होता तो तदनुसार काम प्रारंभ करने के पूर्व इस काम के प्रभारी अभियंता को आपको सूचित करना होगा। आगे आपको अन्य कानूनों के प्रावधानों जैसे कार्मिक क्षतिपूर्ति अधिनियम 1923, न्यूनतम वेतन अधिनियम 1948, कभनि अधिनियम, उपदान अधिनियम और आपके संगठनों के लिए यथा लागू अन्य श्रम विधि के प्रावधानों का पालन करना होगा। यदि मूल नियोक्ता होने के कारण न्यूपाकाइलि को विविध कानूनों के प्रावधानों के अंतर्गत कोई खर्च का वहन करना होता तो, आप से /आपके बिल से उसे वसूल करने के लिए न्यूपाकाइलि हकदार होगा।

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 organisation 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, Gratuity Act and other labour laws as applicable to your organisation. 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.

13. इस कार्य हेतु आपके द्वारा प्रस्तावित और नियोजित किए जाने वाले कार्मिकों की अधिकतम संख्या पर आधारित श्रम अनुज्ञप्ति प्राप्त करने हेतु मुख्य नियोक्ता का प्रमाणपत्र संलग्न है। आप कृपया ध्यान दें कि इस कार्य आदेश जारी होने के 14 दिनों के भीतर आपके द्वारा काम में लगाने हेतु दर्शाए गए कार्मिकों की अधिकतम संख्या हेतु श्रम अनुज्ञप्ति के लिए आपको उस क्षेत्र के सहायक श्रम आयुक्त को आवेदन करना होगा। कार्य के प्रभारी अभियंता को कार्यारंभ से एक सप्ताह के भीतर आवेदन की प्रति प्रस्तुत करना होगा। Principal Employer's Certificate for obtaining labour license based on the maximum number of workmen you proposed to employ for this work is enclosed. 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. A copy of the application will have to be furnished to the Engineer-in-charge of the work within a week time from start of work.

14. आपके लागत राशि ₹.100/- मूल्यवाले स्टाम्प कागज पर कार्य प्रारंभ के पूर्व 14 के अंदर करार पर हस्ताक्षर करने और अनुवर्ती करार (निविदा आमंत्रण सूचना के खण्ड सं.4.3 में बताए गए अनुसार) हेतु कार्यालय में उपस्थित होने का आपसे अनुरोध है। औपचारिक करार का निष्पादन होने तक इसके अधीन संदर्भित पत्रों के साथ मूल निविदा और यह कार्य आदेश हमारे बीच बाध्यकारी संविदा होगा।

You are requested to attend the office within 14 days before commencement of work for signing the agreement and supplementary Agreement (as stated at clause no. 4.3 of NIT) on a stamp paper valued ₹.100/- at your cost. Till a formal agreement is executed the original tender together with letters under reference and this work order shall form the binding contract between us.

15. इलेक्ट्रॉनिक मोड द्वारा भुगतान करने की सुविधा हेतु आपके बैंक खाता संख्या, बैंक शाखा कोड और 11 अंकवाली आईएफएससी/आरटीजीएस कोड का विवरण सूचित करने का आपसे अनुरोध है (बाह्य केंद्र के संविदाकारों को पता के साथ बैंक के दूरभाष सं. को भी प्रस्तुत करना होगा)।
You are requested to intimate details of your Bank A/c. Bank Branch code and the 11 digit IFSC/RTGS code to facilitate release of payment by Electronic mode (for outstation contractors, the address with the phone No. of the Bank may also be furnished)
16. विलंब हेतु संविदाकार पर लगाई जानेवाली क्षतिपूर्ति, लागू होने पर, अपूर्ण संविदा मूल्य का अधिकतम 5% तक की शर्त पर अपूर्ण संविदा मूल्य पर 1% प्रति सप्ताह होगी। न्यूपाँकाईलि को हानि हुई या अन्यथा इस तथ्य का ध्यान किए बिना विलंब के लिए क्षतिपूर्ति वसूली जाएगी।
The compensation for delay to be levied on contractor, if applicable, is 1% per week or part thereof of contract value subject to a maximum of 5% of contract value. The recovery of compensation for delay shall be made irrespective of the fact whether NPCIL has suffered the loss or otherwise.
17. निम्नांकित की प्रस्तुति पर ही चल लेखा बिल की भुगतान की जाएगी:-
RA Bill will be paid only on production of the following.
- a. श्रमिकों के लिए न्यूनतम मजदूरी का भुगतान किए जाने का दस्तावेजीय प्रमाण।
Documentary evidence of minimum wages payment made to workers.
 - b. कर्मचारी भविष्य निधि/उपदान/बोनस हेतु यथा लागू दस्तावेजीय प्रमाण।
Documentary evidence as applicable for EPF/ Gratuity/ Bonus.
 - c. छूट प्राप्त न होने पर यथा लागू वस्तु एवं सेवा कर बीजक या इ-कर बीजक प्रस्तुत करने के शर्त पर बिल का भुगतान किया जाएगा।
Bill payment will be subject to submission of Goods & Service Tax invoice or e-Tax Invoice as applicable unless exempted.
- निविदा दस्तावेज खण्ड सं. 16 B में बताए गए अनुसार दस्तावेजों के प्रस्तुति के शर्त पर ही प्रथम चालु खाता बिल का भुगतान किया जाएगा।
First RA Bill payment will be subject to submission of documents as stated in Tender document Clause No.16 B
- निविदा दस्तावेज खण्ड सं. 16 C में बताए गए अनुसार दस्तावेजों के प्रस्तुति के शर्त पर ही अंतिम बिल का भुगतान किया जाएगा।
Payment towards final bill will be subjected to submission of documents as stated in the Tender document Clause No.16 C
18. संविदा के शर्तों एवं निबंधनों के अनुसार कोई उल्लंघन होने पर वित्तीय दण्ड लगाया जाएगा।
Penalty will be imposed as per terms and conditions of Contract in case of violation.
19. केन्द्रीय वस्तु एवं सेवा कर अधिनियम और राज्य वस्तु एवं सेवा कर अधिनियम के प्रासंगिक प्रावधानों में प्रदान किए गए लाभकारी विरोधी उपायों को ध्यान में रखते हुए, वस्तु एवं सेवा कर विधान में अतिरिक्त निविष्ट कर जमा / कम उत्पादन कर का लाभ को कीमत में कमी करने के द्वारा न्यूपाकाईलि को पहुँचाने हेतु संविदाकार बाध्यकार है।
Considering the Anti-profiteering measures provided in relevant provisions of CGST Act and SGST Act, it is obligatory for the contractor to pass on the benefit of additional input tax credits / lower output tax in GST regime to the NPCIL by way of price reduction.
20. कार्य आदेश अनुसूची में उल्लिखित '16' अपसामान्य निम्न दर मदों की सूची।
The list of '16' ALR items are mentioned in Work Order schedule.

21. यह ध्यान दिया जाए कि निविदा मात्रा से अधिक अपसामान्य उच्च दर मद के कार्य को विभागीय अनुमानित दर पर निष्पादित करने के लिए आपने स्वीकृति दिया है।

It may be noted that you have agreed to execute the AHR item (s) of work exceeding the tender quantity at department estimated rate.

22. निविदा आमंत्रण सूचना के अनुसूची ए के अनुसार संविदा हेतु दोष दायित्व अवधि 12 माह हैं।

The defect liability period for the contract is 12 Months as per schedule A of NIT

कृपया इस कार्य आदेश की पावती सूचना दें।

Kindly acknowledge receipt of this Work Order.

सधन्यवाद Thanking you,



आपका Yours faithfully

वरिष्ठ अनुरक्षण अभियंता (सिविल) SME(CIVIL)

(इकाई के पदधारी का नाम व पदनाम)

(Name & Designation of Official of Unit)

कृत न्यूपाकाइलि और की ओर से

For and on behalf of NPCIL

अनुलग्नक Encl.:

- i) सामग्री आपूर्ति की अनुसूची Schedule of Supply of Material
- ii) मात्राओं व दरों की अनुसूची Schedule of Quantities & Rates
- iii) मुख्य नियोक्ता प्रमाणपत्र Principal Employer's Certificate

प्र.प्रे.C.C. : अनु अधी/मुअधी / बिनि - सूचनार्थ MS/CS/SD – for information Pl.

: श्री कंदकटला प्रणय, वैअ/ डी, प्रभारी अभियंता

Shri Kandakatla Pranay, SO/D, Engineer-in-charge

: प्रधान (वि व ले) Head (F&A)

: प्रधान (मासं) Head (HR)

: केंद्रीकृत निविदा कक्ष प्रति CTC copy

: सहायक श्रम आयुक्त (केंद्रीय) Assistant labour Commissioner (Central)

: सुलह अधिकारी (केंद्रीय) Conciliation Officer (Central)

: राजभाषा अनुभाग Rajbhasha Anubhag.

दर और मात्रा की अनुसूची

Schedule of Quantities and Rates

निविदा सं. : मपबिघ/कैनिक/सिसेअ/सार्वजनिक/इनि881/2024
TENDER NO : MAPS/CTC/CSM/PUBLIC/ET881/2024

कार्य का नाम : मपबिघ, कल्याक्कम में प्रस्तावित विखनिजीकरण (एमईडी) संयंत्र हेतु स्थलाकृति सर्वेक्षण, भू-तकनीकी अन्वेषण तथा संबद्ध कार्यों निष्पादित करना।
OF THE WORK : Carrying out Topographical survey, Geo-technical investigations and allied works for proposed Desalination (MED) plant @ MAPS, Kalpakkam.

NAME

अपसामान्य
दर / अपसामान्य
उच्च दर मद
ALR / AHR Items

मद का विवरण Description of item	यूनिट Unit	मात्रा Quantity	संख्याओं में दर Rate in Figures	शब्दों में दर Rate in words	राशि Amount	अपसामान्य निम्न दर / अपसामान्य उच्च दर मद ALR / AHR Items
Drilling of Bore holes and insitu tests: Rotary boring/ drilling of 'SX' size holes to log and collect samples through all kinds of soils vertically with adequate and suitable equipment for depths below existing ground level as per specifications, drawings and as directed by the Engineer-in-charge. Note: The quoted rate shall include the following: 1. General clearance of site and removal of shrubs, bushes etc required to commence the boring/ drilling operation & in-situ tests in bore holes and clearance of site after completion of work. 2. Making temporary access roads to the boring/ drilling locations from existing approach roads to site. 3. Mobilization and Demobilization of minimum two sets of suitable boring and drilling rigs of hydraulic type, including necessary drilling rods, pumps, miscellaneous equipments, tools, spares, consumables etc. adequate for each set of plant, survey equipment, etc. Additional rigs and equipment shall be mobilized if needed for timely completion of the work at contractor's own cost. 4. Marking the drill hole locations on ground by actual survey as per the drawing, shifting and setting up of rig at each bore hole location including staging, platform, earthwork, anchoring etc. all complete. 5. Deployment of technical, skilled, semi skilled & unskilled man power required for carrying out the complete work as per specifications & drawings. 6. Measurement of ground water level as per specifications & drawings. 7. Maintenance of drilling records and submission of final geological logs in hardcopy as well as soft copy. 8. Conducting Standard Penetration Test (SPT) in the bore holes @ every 1.5m depth upto rock level (0 M to 17 M)	RM	119.00	5192	Rupees Five Thousand One Hundred Ninety Two Only	617848	AHR
Drilling of Bore holes and insitu tests: Same as item no. 1 but with NX size holes in rock formations (excluding carrying out SPT) including collection, numeration and logging of cores, supply of wooden core sample boxes ,painting, labeling of boxes, putting core samples in the boxes, labeling of cores samples, colour photographs (100mm x 150 mm) of boxes with cores samples placed inside the boxes and transporting and storing in core samples library at location indicated by Engineer-in-charge, measurement of ground water level etc. complete as per specifications & drawings. (0 M to 17 M)	RM	30.00	5133.00	Rupees Five Thousand One Hundred Thirty Three Only	153990	-
Plugging of bore holes as per specifications and as directed by Engineer-In-Charge using 1:2 cement-sand grout: SX size holes	RM	119.00	200.6	Rupees Two Hundred and Sixty Paise Only	23871	AHR

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4	Plugging of bore holes as per specifications and as directed by Engineer-In-Charge using 1:2 cement-sand grout. NX size holes	RM	30.00	200.6	Rupees Two Hundred and Sixty Paise Only	6018	AHR
5	Laboratory tests on soil samples: Conducting Grain size analysis, particle size & percent fines distribution of soil 1498), (Sieve analysis & analysis) including Grain Size Distribution curve as per drawings, specifications, IS 2720 (part-4) and as directed by the Engineer-in-charge.	Nos	63.00	218.30	Rupees Two Hundred Eighteen and Thirty Paise Only	13753	ALR
6	Laboratory tests on soil samples: Conducting index properties of soil such as Liquid limit, plastic limit and plasticity index etc as per drawings, specification, IS 2720 (Part 5), IS 9259 and direction of the Engineer-in-charge. Three tests of each soil sample will be considered as one set.	SET	63.00	218.30	Rupees Two Hundred Eighteen and Thirty Paise Only	13753	ALR
7	Laboratory tests on soil samples: Conducting Specific gravity as per specification, drawings, IS 2720 (Part 3) and as directed by the Engineer-in-charge. Three tests of each soil sample will be considered as one set.	SET	63.00	218.30	Rupees Two Hundred Eighteen and Thirty Paise Only	13753	ALR
8	Laboratory tests on soil samples: Compaction test	Nos	14.00	289.10	Rupees Two Hundred Eighty Nine and Ten Paise Only	4047	ALR
9	Laboratory tests on soil samples: Conducting test for density and natural moisture content from the undisturbed samples collected from selected bore holes as per drawings, specification, IS 2720 and as directed by the Engineer-in-charge.	Nos	63.00	218.30	Rupees Two Hundred Eighteen and Thirty Paise Only	13753	ALR
10	Laboratory tests on soil samples: Consolidation test	Nos	35.00	259.60	Rupees Two Hundred Fifty Nine and Sixty Paise Only	9086	ALR
11	Laboratory tests on soil samples: Unconfined compression test	Nos	35.00	259.60	Rupees Two Hundred Fifty Nine and Sixty Paise Only	9086	ALR
12	Laboratory tests on soil samples: Triaxial test	Nos	6.00	1239.00	Rupees One Thousand Two Hundred Thirty Nine Only	7434	ALR
13	Laboratory tests on soil samples: Conducting chemical analysis of undisturbed soil samples or disturbed SPT soil samples coated with wax including total soluble solids, organic matter, Calcium carbonate, cation exchange capacity, silica sesquioxide ratio, sulphates as SO ₃ , Chlorides and pH as per drawing, specification, IS 2720 (Part 21,22,23,24, 25, 26, & 27) and as directed by the Engineer-in-charge.	Nos	3.00	649.00	Rupees Six Hundred Forty Nine Only	1947	ALR
14	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Determination of turbidity	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	
15	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: PH Value determination.	Nos	3.00	320.96	Rupees Three Hundred Twenty and Ninety Six Paise Only	963	-

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16	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Alkalinity determination.	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	-
17	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Chlorides content determination.	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	-
18	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Sulphates content determination	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	-
19	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Nitrites content determination	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	-
20	Laboratory tests on ground water samples: Collecting ground water samples as applicable at specified depths from drill holes (minimum 2 litres) and conducting full chemical analysis of water sample as per relevant IS code in an approved laboratory, complete as per drawing, specifications, as directed by Engineer-in-charge, including submission of test reports: Nitrates content determination	Nos	3.00	407.10	Rupees Four Hundred Seven and Ten Paise Only	1221	-
21	Laboratory tests on rock samples: Carrying out laboratory tests on rock samples in an approved laboratory, complete as per specifications and as directed by Engineer-in-charge-In-Charge, including necessary transportation of samples to approved laboratories and submission of test report in hardcopy (sixduplicate) as well as soft copy (CD). Water content and porosity	Nos	21.00	300.90	Rupees Three Hundred and Ninety Paise Only	6319	ALR
22	Laboratory tests on rock samples: Carrying out laboratory tests on rock samples in an approved laboratory, complete as per specifications and as directed by Engineer-in-charge-In-Charge, including necessary transportation of samples to approved laboratories and submission of test report in hardcopy (sixduplicate) as well as soft copy (CD). Density and Specific Gravity	Nos	21.00	300.90	Rupees Three Hundred and Ninety Paise Only	6319	ALR

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23	Laboratory tests on rock samples: Carrying out laboratory tests on rock samples in an approved laboratory, complete as per specifications and as directed by Engineer-in-charge-In-Charge, including necessary transportation of samples to approved laboratories and submission of test report in hardcopy (sixuplicate) as well as soft copy (CD). Uniaxial compression test to determine un-confined compressive strength, Young's Modulus E and Poisson's ratio with the samples in saturated condition.	Nos	21.00	300.90	Rupees Three Hundred and Ninety Paise Only	6319	ALR
24	Static plate load test on soil: Conducting static plate load test on soil as per IS 1888 at a depth of 2m at specified locations upto an ultimate load of 75 T/Sq.m, for determining safe bearing capacity and modulus of sub grade reaction as per IS: 9214 at various locations and depths as per Engineer-In-Charge, up to failure including preparation and submission of test reports in triplicate. Note: The quoted rate shall be inclusive of preparation of the test surface, making access, mobilization and demobilization of all equipment, anchors, trusses, kentledge and jacks for tests etc, all materials, suitable & adequate skilled, semiskilled & unskilled personnel, preparation and submission of test reports etc. all complete as specified and required for executing the works under the scope of this item.	Nos	1.00	62363.00	Rupees Sixty Two Thousand Three Hundred Sixty Three Only	62363	ALR
25	Earthwork excavation by mechanical means (Hydraulic excavator) or manual means for carrying out plate load test in all types of soil like hard gravelly soil, sandy soil for the following depth from average ground level upto the required founding level, line and grades in both dry and wet conditions including shoring, strutting, bailing out of water if necessary, levelling and ramming the bottom of trenches, dressing of sides, stacking the excavated materials away from the edge of trenches, refilling after completion of plate load test and as required with selected excavated earth and depositing / disposing the surplus excavated earth (Disposed soil to be leveled by breaking clods, if any and neatly dressed and leveled) within the lead specified below all complete as per specifications and as directed by the Engineer-in-charge. All kinds of soil with depth upto 1.5m below average Ground level and disposing surplus excavated earth upto a lead of 50 metres:	Cum	150.00	194.70	Rupees One Hundred Ninety Four and Seventy Paise Only	29205	ALR
26	Earthwork excavation by mechanical means (Hydraulic excavator) or manual means for carrying out plate load test in all types of soil like hard gravelly soil, sandy soil for the following depth from average ground level upto the required founding level, line and grades in both dry and wet conditions including shoring, strutting, bailing out of water if necessary, levelling and ramming the bottom of trenches, dressing of sides, stacking the excavated materials away from the edge of trenches, refilling after completion of plate load test and as required with selected excavated earth and depositing / disposing the surplus excavated earth (Disposed soil to be leveled by breaking clods, if any and neatly dressed and leveled) within the lead specified below all complete as per specifications and as directed by the Engineer-in-charge. All kinds of soil with depth exceeding 1.5m but not exceeding 3m below average.Ground level and disposing surplus excavated earth upto a lead of 50 metres.	Cum	60.00	224.20	Rupees Two Hundred Twenty Four and Twenty Paise Only	13452	ALR

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27	Report submission of the surveys, tests, investigation and foundation parameters: Preparation and submission of comprehensive draft (2 Copies) and final (6 copies) reports of all the tests, field investigations, surveys, laboratory tests etc. in the scope of this tender as detailed in various schedules, specifications, drawings inclusive of bore logs , survey of discontinuities, Compilation, interpretation, analysis of the data, recommendations of the foundation system and foundation design parameters including deriving spring constant as per AERB Guide no. AERB/NPP/SG/CSE-2. Final report shall be submitted after the draft copy is approved by the Engineer-in-charge. Also submission of draft (2 Copies) interim reports of all the tests / field investigations carried out as detailed in specifications inclusive of bore logs , results of tests including their soft copies and 3 copies of the approved interim report as soon as a particular tests , investigation, surveys are completed. Report shall be submitted in soft copies as well as hard copies. The Report shall be independently proof checked by Geotechnical expert from Institutes like IITs, IISc, NIRM, CSMRS, etc., before submission to be approved by Engineer-in-charge.	Lumpsum	1.00	72570.00	Rupees Seventy Two Thousand Five Hundred Seventy Only	72570	ALR
	TOTAL					1093177	

(दस लाख तिरानबे हजार एक सौ सतत्तर)

(Rupees Ten Lakh Ninety Three Thousand One Hundred and Seventy Seven Only)

वरि. अनु. अभि. (सिविल अनुरक्षण) SME (Civil)
मद्रास परमाणु विद्युत केंद्र Madras Atomic Power Station
कल्पाक्कम Kalpakkam

अनुसूची "बी"
SCHEDULE 'B'
संविदाकार को जारी करने के लिए सामग्री
MATERIAL FOR ISSUE TO THE CONTRACTOR
(खण्ड सं.15 देखें See Clause No. 15)

कार्य का नाम: मपबिघ, कल्पाकम में प्रस्तावित विखनिजीकरण (एमईडी) संयंत्र हेतु स्थलाकृति सर्वेक्षण, भू-तकनीकी अन्वेषण तथा संबद्ध कार्यो निष्पादित करना।

NAME OF WORK : Carrying out Topographical survey, Geo-technical investigations and allied works for proposed Desalination (MED) plant @ MAPS, Kalpakkam.

क्र.सं. Sl. No	सामग्री का विवरण Particulars of material	यूनिट Unit	सामग्रियों को जारी किए जाने की दर Rate at which materials to be issued	अधिकतम अदृश्य अपशिष्ट (अप्रत्यावर्तनीय) Max. invisible wastage (Non- returnable) %	अधिकतम अनुमेय अपशिष्ट (मुक्त जारी होने पर प्रत्यावर्तनीय) रका Max. permissible waste (returnable in case of free issue)%*	जारी की जाने वाली मात्रा (लगभग) Quantity to be issued (approx)
1	2	3	4	5	6	7
शून्य NIL						

* प्रभारी अभियंता द्वारा अनुमोदित कट्टिंग प्लान के अनुसार यह प्रतिशत बदल सकता है।

* This percentage can vary as per the cutting plan approved by Engineer In-Charge.

जारीकर्ता अधिकारी के हस्ताक्षर
Signature of Issuing Officer

दिनांक Date _____

संविदाकार का हस्ताक्षर
Signature of Contractor

दिनांक Date _____



फार्म-V FORM-V

[नियम 21(2) को देखें | See Rule 21 (2)]

प्रधान नियोक्ता द्वारा प्रमाणपत्र का फार्म

FORM OF CERTIFICATE BY PRINCIPAL EMPLOYER

प्रमाणित किया जाता है कि मैंने आवेदक मेसर्स _____ को अपनी स्थापना में एक संविदाकार के रूप में लगाया है। मैं अपनी स्थापना में आवेदक द्वारा संविदा श्रम के नियोजन के संबंध में प्रावधानों जहां तक कि मेरे लिए लागू है, संविदा श्रम (विनियमन और उत्सादन) अधिनियम, 1970 और संविदा श्रम (विनियमन और उत्सादन) केंद्रीय नियम 1971 के सभी प्रावधानों से बाध्य होने के लिए वचनबद्ध हूँ।

Certified that I have engaged the applicant M/s _____ as a Contractor in my Establishment. I undertake to be bound by all the provisions of the Contract Labour (Regulations and Abolition) Act, 1970 and the Contract Labour (Regulations and Abolition) Central Rules 1971, in so far as the provisions are applicable to me in respect of the employment of contract labour by the applicant in my Establishment.

प्रधान नियोक्ता के हस्ताक्षर Signature of the Principal Employer

स्थापना का नाम और पता Name and Address of the Establishment

स्थान Place:

दिनांक Date:

