



न्यूक्लियर पावर 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.in**संविदा एवं सामग्री प्रबंधन (कार्य) C&MM (WORKS)**

संदर्भ सं: मपबिघ/केनिक/सिसेअ/सार्वजनिक/इनि 886/2024

Ref No: MAPS/CTC/CSM/PUBLIC/ET886/2024

दिनांक Date : 11-NOV-2025

कार्य आदेश सं Work Order No. : 12894

लेजर खाता सं Ledger Account No.: 14231

उप लेजर सं Sub Ledger No. : CS7373

सेवा में TO

मेसर्स सबरी एंड लियोन इलेक्ट्रिकल्स प्राइवेट लिमिटेड
 M/s. Sabari & Leon Electricals Pvt Ltd
 शॉप नं. Shop No.16, 88/150, धर्मा टावर्स Dharma Towers,
 नेल्सन मनिकम रोड Nelson Manickam Road,
 चुलाइमेडु, Choolaimedu, चेन्नई Chennai-600 094.
 जीएसटी सं. GSTIN: 33AAGCS9735D2ZA
 ई-मेल E-mail: sabarileon123@gmail.com
 मोबाइल / फोन नं. Mobile / Phone No.: 9841073336

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

विषय: न्यूपाकाइलि मपबिघ पऊवि स्थल पर सिविल कार्यो संबंधित ओईएससी भवन हेतु विद्युतीय और सामग्रियों की संस्थापन और आपूर्ति।

Sub.: Supply and installation of Electrical and auxiliary items for OESC Building including associated civil works at NPCIL MAPS DAE site.

- संदर्भ: 1. दिनांक: 21/04/2025 को खोली गई निविदा सं. मपबिघ/केनिक/ विअ/सार्वजनिक/ईटी 886/2024
 2. निविदा आईडी: 2025_ एनपीसीआईएल _225829_1
 3. 16/08/2025 को आयोजित बातचीत बैठक का कार्यवृत्त

- Ref.: 1. TENDER NO: MAPS/CTC/EM/PUBLIC/ET886/2024 OPENED ON 21/04/2025
 2. Tender ID : 2025_NPCIL_225829_1
 3. Minutes of Negotiation meeting held on 16/08/2025

महोदय Dear Sirs,

उपरोक्त कार्य हेतु निआसू सं. मपबिघ/केनिक/ विअ/सार्वजनिक/ईटी 886/2024 के प्रतिक्रिया में ऊपर कथित आपकी निविदा और 21/04/2025 को खोली गई का कृपया संदर्भ लें।

Please refer to your above cited tender in response to NIT No. MAPS/CTC/EM/PUBLIC/ET886/2024 for the above work and opened on 21/04/2025

- 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 (₹.9,06,30,230/- + वस्तु एवं सेवा कर ₹. 1,63,13,441/-) ₹. 10,69,43,671/- (दस करोड़ उनहत्तर लाख तैंतालीस हजार छह सौ इकहत्तर) 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 (₹.9,06,30,230/- + Goods & Service Tax ₹. 1,63,13,441/-) ₹. 10,69,43,671/- (Rupees Ten Crore Sixty Nine Lakh Forty Three Thousand Six Hundred and Seventy One 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 730 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, न्यूपॉकॉइलि और मेसर्स सबरी एंड लियोन इलेक्ट्रिकल्स प्राइवेट लिमिटेड एण्ड सर्विजस 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 सारतत्व समय होगा और कार्य की अनुमोदित कार्यक्रम के अनुसार कार्य की पूर्ति किया जाना चाहिए।

The work shall be completed in all respects within 730 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 policies jointly in the name of MAPS, NPCIL and M/s. Sabari & Leon Electricals 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 है।
Escalation payment is 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. आपको पूरे संविदा मूल्य, तीसरे पक्ष की देयता पॉलिसी और ईएसआई के लिए सीएआर पॉलिसी लेने की आवश्यकता है। संविदाकार उन कर्मचारियों के लिए जो इस कार्य में लगे हुए हैं और ईएसआई अधिनियम के अंतर्गत शामिल नहीं हैं (उपरोक्त अवधि के लिए काम में लगे आपके सभी श्रमिकों के संबंध में) कर्मचारी क्षतिपूर्ति पॉलिसी लेगा और कार्य शुरू करने से पहले इस संबंध में दस्तावेज प्रभारी अभियंता को प्रस्तुत किए जाने चाहिए। (संविदा की शर्तों के अनुसार)।

You are required to take CAR Policy for the whole contract value, Third Party Liability Policy and ESI. The contractor shall take the Employee's Compensation Policy for employees who are engaged in this work and not covered under the ESI act (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, सांविधिक लेवी, कोई हो तो, बिजली प्रभार 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, statutory Levy if any, Electricity Charges 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 श्रीमती. वुल्ची कल्याणी, वैज्ञानिक अधिकारीएफ/, होंगे। आप, प्रभारी अभियंता के परामर्श से कार्य को तत्काल प्रारंभ करने की आवश्यक प्रबंध करें।
Smt. Vulchi Kalyani, SO/F, 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 ₹. 1,06,94,367/-होगी (संविदा मूल्य में 10% की दर पर)। प्रारंभ में कार्य आरंभ करने के पहले 14 दिनों के अंदर ₹.53,47,184/- (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 ₹. 53,47,183/-को वसूली जाएगी। जमानत जमा राशि में कोई ब्याज नहीं होगी।

You may please note that Security Deposit will be ₹. 1,06,94,367/- (@ 10% of contract value). Initially you will have to submit a performance guarantee for ₹. 53,47,184/- (50% of Security Deposit) within 14 days before commencement of the work. The remaining amount of Security Deposit of ₹. 53,47,183/- 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 न्यूपाकॉ 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 स्टॉप 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 1/2% 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 1/2% 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.

- I. a. श्रमिकों के लिए न्यूनतम मजदूरी का भुगतान किए जाने का दस्तावेज़ीय प्रमाण।
Documentary evidence of minimum wages payment made to workers.
 - b. कर्मचारी भविष्य निधि/उपदान/बोनस हेतु यथा लागू दस्तावेज़ीय 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.
- II. निविदा दस्तावेज़ खण्ड सं. 16 B में बताए गए अनुसार दस्तावेज़ों 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
- III. निविदा दस्तावेज़ खण्ड सं. 16 C में बताए गए अनुसार दस्तावेज़ों 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. कार्यवृत्त संदर्भ एनपीसीआईएल/मपबीघ/सीएमएम (कार्य)/2025 दिनांक: 16/08/2025 के अनुसार अपेक्षित मात्रा आपके द्वारा पूर्ण रूप से निष्पादित किए जाने के लिए स्वीकृत अपसामान्य निम्न दर मर्दों तथा मात्राओं की सूची नीचे दी गई है:-

The list of ALR items & quantities for which you have agreed to execute the required quantity as per MOM Ref. NPCIL/MAPS/CMM(Works)/2025 dtd. 16/08/2025 is detailed below:

क्र सं. Sl. No	अनिद मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
1.00		Supply of following pre-fabricated and galvanized cable tray supporting structure materials as per specification, tender drawing (MAPS-1&2/01652/2053/GA) and reference drawings Nos KAPP-3&4/ 21490/ 2002, 2003 & 2004/DD.			
1	1.17	600mm long, 30 mm wide & 2.5 mm hot dip galvanized strip with two Nos of M8x30 mm long bolt, 4 plain washer, 2 spring washer and 2 nuts	12.00	Nos	500
7		Installation of following medium duty GI pipes/ Conduits/hume pipes for routing cables (from cable trays to Distribution Boards or to various field equipment or between equipment as directed by Engineer- in- charge), including supply and installation of clamps/ fasteners/ supports, accessories like bends/ couplers along with cutting, threading etc.			
2	7.01	100 mm Dia Pipe	20.00	Mtr	250
3	7.03	40 mm Dia Pipe	15.00	Mtr	150
4	7.04	25 mm Dia Conduit	815.00	Mtr	100
8		Installation of following sizes and types of cable trays and accessories as detailed in drawings and specification including supply & installation of coupler plates, fixing hardware for coupler plates, L clamps, strip clamps, cable trays identification paint etc. (The rate quoted shall be based on per meter route length of cable trays considering installation of tray accessories. Length of cable tray installation shall be measured taking the lengths of cable trays and tray accessories along the center line).			
9.00		Laying and dressing of following types of LT power cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, burnt bricks, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.			
5	9.01	3.5Cx300, Al, Unarmoured – Laid in Cable Tray	50.00	Mtr	200
6	9.02	3.5Cx185, Al, Unarmoured - Laid in Cable Tray	80.00	Mtr	150
7	9.03	4Cx16, Cu, Unarmoured - Laid in Cable Tray	500.00	Mtr	60
8	9.08	3.5Cx400, Al, Armoured – Buried in soil	400.00	Mtr	500
10.00		Laying and dressing of following types of HT power cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, concrete tiles, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.			
9	10.01	3Cx185, Al, Armoured – Buried in soil/ Cable tray	4850	Mtr	700
10	10.02	3Cx400, Al, Armoured – buried in soil/ Cable tray	280.00	Mtr	800
11.00		Laying and dressing of following types of control cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, burnt bricks, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.			
11	11.04	2Cx10 sqmm - Cable tray	500.00	Mtr	50
12	11.05	10Px1.5 sqmm - Cable tray	500.00	Mtr	40
12.00		Supply of cable glands for the following HT power cables			
13	12.02	3Cx400, Al, Armoured	4.00	Nos	4500
13.00		Supply of cable glands for the following LT power cables			
14	13.01	3.5Cx300, Al, Unarm	4.00	Nos	3500
15	13.02	3.5Cx185, Al, Unarm	2.00	Nos	3000

क्र सं. Sl. No	अनिद मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
16	13.03	4Cx16, Cu, Unarm	20.00	Nos	600
17	13.05	4Cx2.5, Cu, Unarm	24.00	Nos	300.00
18	13.06	3Cx2.5, Cu, Unarm	28.00	Nos	200.00
19	13.07	2Cx2.5, Cu, Unarm	16.00	Nos	200.00
20	13.08	3.5Cx400, Al, Armoured	4.00	Nos	4000.00
14.00	Supply of cable glands for the following control cables				
21	14.01	4Cx2.5, Cu, Armoured	2.00	Nos	300.00
22	14.02	2Cx2.5, Cu, Armoured	4.00	Nos	200.00
23	14.03	4Cx10, Cu, Armoured	8.00	Nos	600.00
24	14.04	2Cx10, Cu, Armoured	4.00	Nos	300.00
25	14.05	10Px1.5, Cu, Armoured	4.00	Nos	600.00
26	15.00	Supply of lugs for the following LT power cables 15.01 3.5Cx300, Al, Unarm -16nos; 15.02 3.5Cx185, Al, Unarm -8nos; 15.03 4Cx16, Cu, Unarm -80nos; 15.04 3Cx6, Cu, Unarm -12nos; 15.05 4Cx2.5, Cu, Unarm -96nos; 15.06 3Cx2.5, Cu, Unarm -84nos; 15.07 2Cx2.5, Cu, Unarm -32nos; 15.08 3.5Cx400, Al, Armoured -16nos	1.00	LOT	60000.00
18.00	Installation of heat shrinkable type cable termination kits for 6.6kV Aluminium conductor, XLPE insulated, semiconductor screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:				
27	18.01	3Cx185 sqmm	4.00	Nos	4000.00
28	18.02	3Cx400 sqmm	4.00	Nos	4000.00
20.00	Installation of straight through jointing kits kits for 6.6kV Aluminium conductor, XLPE insulated, semiconductor screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:				
29	20.01	3Cx185 sqmm	6.00	Nos	4000.00
23.00	Termination and connection of following types and sizes of HT power cables at both ends by providing cable glands, lugs, ferrules, clamps, hardwares etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)				
30	23.01	3Cx185 sqmm, Al, armoured	4.00	Nos	1000.00
31	23.02	3Cx400 sqmm, Al, armoured	4.00	Nos	1000.00
24.00	Termination and connection of following types and sizes of LT power cables at both ends by providing cable glands, lugs, ferrules, clamps, hardwares etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)				
32	24.07	3.5Cx400, Al, Armoured	4.00	Nos	500.00
25.00	Termination and connection of following types and sizes of Control cables at both ends by providing cable glands, lugs, ferrules, clamps, hardwares etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)				
33	25.04	2Cx10, Cu, Armoured	4.00	Nos	100.00
26.00	Supply of mortar based fire stops and fire break for all floor & wall openings of cable trays and in the run of cable trays and for sealing of electrical conduits including supply of structural steel support material if required				

क्र.सं. Sl. No	अनिद मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
34	26.01	3 hr. rated mortar based fire stop for cable penetration in floor/walls + Fire stop for cable/wire conduits & pipe sleeves	10.00	Sq.m	2400.00
35	26.02	30 minute rated fire retardant compound (Fire break) over cable	500.00	Sq.m	1300.00
34.00	OFC CABLING SYSTEM				
36	34.01	Supply of fibre optic cable 24C single mode armoured	4000.00	Meter	300.00
37	34.03	Supply of 25mm dia HDPE pipe for laying of OFC cable	10000.00	Meter	400.00
38	34.04	Supply of coupler for 25mm dia HDPE pipe	100.00	Nos	100.00
39	34.05	Supply of 300 mm dia NP-3 hume pipe for cabling at road crossing	150.00	Meter	1000.00
40	34.06	Supply of 150 mm dia NP-3 hume pipe for cabling at road crossing	150.00	Meter	700.00
41	34.07	Installation of 300mm dia NP-3 hume pipe with RCC cushion at road crossing.	150.00	Meter	500.00
42	34.08	Installation of 150 mm dia NP-3 hume pipe for cabling at road crossing ?	150.00	Meter	500.00
43	34.09	Laying and dressing of 24Core Optical Fiber Cable through HDPE pipe in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, cable route marker, etc., as specified.	10000.00	Meter	300.00
37.00	Installation of following sizes of GI conduits including supply & installation of all accessories like bends, elbows, couplers, hospital saddles, spacers, GI Junction boxes, GI pull boxes, etc., and other accessories required to complete the job on wall/ column/ ceiling etc. as per specification and drawings. (The running length shall be measured along the center line including bends, fittings etc. along the run installed, but excluding the hidden length of conduits and lengths of pull boxes and junction boxes)				
44	37.01	25 mm dia GI conduit	10000.00	Meter	50
39.00	Installation/ termination/ connection of following sizes of wires as specified				
45	39.01	4 sq.mm. copper wire	18000.00	Meter	15.00
46	39.02	6 sq.mm. copper wire	5000.00	Meter	20.00
47	41.00	Installation/ termination/ connection of 14 SWG stranded copper grounding wire including supply and installation of clamps, connection to earthing terminals, lighting fixtures, Junction boxes, pull boxes etc., as detailed in the specification and drawings.	10000.00	Meter	8.00
42.00	Supply of additional items required for Lighting system as per specification				
48	42.01	5A, decorative type lighting control switch with MS painted box	80.00	Nos	1000.00
49	42.02	10A, decorative type lighting control switch with MS painted box	5.00	Nos	1050.00
43.00	Installation of additional items required for Lighting system including supply and installation of all hardware required for mounting and connection to lighting circuit				
50	43.01	5/15A, 240V 50Hz, decorative type lighting control switch with MCB having ELCB feature with housing	80.00	Nos	100.00
51	43.02	10A, decorative type lighting control switch with MS painted box	5.00	Nos	80.00
45.00	Installation & testing of following types of receptacles including supply and installation of anchor fasteners, mounting brackets, support structure, hardware etc. (wherever required) along with necessary welding, drilling, painting etc.				
52	45.01	5/15A, 240V AC, 1-Ph, 3 pin, Decorative receptacle with MCB having ELCB feature	90.00	Nos	150.00
53	45.02	30A, 240V AC, 1-Ph, 3 pin, Industrial receptacle with MCB having ELCB feature	40.00	Nos	150.00

क्र सं. Sl. No	अनिद मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
54	45.03	63A, 415V AC, 3-Ph, 5 pin, Industrial receptacle with MCB having ELCB feature	4.00	Nos	250.00
55	45.04	16A, 415V AC, 3-Ph, 5 pin, Industrial receptacle with MCB having ELCB feature	7.00	Nos	200.00
47.00	Installation of following types of junction boxes/ pull boxes for Lighting & receptacle including supply and installation of anchor fasteners, mounting brackets, support structure, hardware etc. (wherever required) along with necessary welding, drilling, painting etc.				
56	47.01	JB for lighting and 1 phase receptacle	865.00	Nos	75.00
57	47.02	Pull boxes for lighting and 1 phase receptacle	365.00	Nos	75.00
58	49.00	Installation of Outdoor compound lighting photo-voltaic cell control panel including supply and installation of seismically qualified anchor fasteners, mounting brackets, support structure, hardware etc. along with necessary welding, drilling, painting, bolting etc.	2.00	Nos	1000.00
51.00	Installation of following types of lighting fixtures including supply and installation of GI rigid & flexible conduits, suitable size of wires between nearest JB's and fixture terminals, mounting hardware, structural steel swan neck pipe, clamping/ fixing hardware etc. required for mounting the fittings, seismically qualified anchor fasteners, mounting brackets, support structure, plates, hardware etc. (as required) along with necessary welding, drilling, painting etc. Fixture mounting hardware, anchor fasteners and structural steel members shall be as per qualified fixture supports and the qualified fixture support details will be shared with successful Bidder.				
59	51.01	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type A LED fixture	74.00	Nos	500.00
60	51.02	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type B LED fixture	241.00	Nos	500.00
61	51.03	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type D LED fixture	41.00	Nos	500.00
62	51.04	Type-VB mounting of Equivalent Type SL1 LED fixture	12.00	Nos	1000.00
52.00	EQUIPMENT EARTHING SYSTEM: Supply of copper earthing leads of following sizes				
63	52.01	65.09 sq. mm. Cu	200.00	Meter	1500.00
64	52.02	35 sq. mm. Cu	60.00	Meter	637.00
53.00	Supply of following sizes of crimpable copper lugs				
65	53.01	65.09 sq.mm.	20.00	Nos	80.00
55.00	Installation of copper earthing leads of following sizes for connecting equipment earthing terminal to nearest earthing pads including crimping/ brazing of copper conductor to lug, bolting/ brazing of conductor/ lug to equipment/ earthing pad, clamping over conduits using copper earth clips, making chase in the floor, grouting the chased area of the floor, hardware, bi-metallic connector etc., as required shall be supplied and installed				
66	55.01	65.09 sq. mm. Cu	200.00	Meter	75.00
67	55.02	35 sq. mm. Cu	60.00	Meter	50.00
68	55.03	10 sq. mm. Cu	110.00	Meter	40.00
56.00	Installation of following sizes of crimpable copper lugs				
69	56.01	65.09 sq.mm.	20.00	Nos	50.00
70	56.02	35 sq.mm.	15.00	Nos	40.00
71	56.03	10 sq.mm.	30.00	Nos	30.00
72	59.00	Installation of 25 X 6 mm Galvanized steel earth continuity conductor to be run along cable pans/ trays including supply and installation all required hardware for fixing of this GI strip to cable pans/ trays	900.00	Meter	60.00

क्र.सं. Sl. No	अनिद मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
75.00		Installation of cable tray supporting structure, cable support structures above / below the panels, cable conduit supports, supports for fire stops, protection for fire proof floor sealing, vertical cable tray protection barriers etc., including site works such as cutting, drilling, threading, welding, fixing the hardware, touch up painting using zinc rich paint for welded surfaces etc. , as per the specification and drawings			
73	75.01	Installation of Rod type flexible supports consisting of various configurations as per drawings including fixing of weld attachment to ceiling, re-sizing (if required) and assembling of rods with all necessary hardware.	3.00	Ton	30000.00
74	75.02	Installation of Rigid type supports consisting of various configurations as per drawings (Both standard and non standard supports including box sections) nuts, swivel washer, swivel washer seat, split pin, coupler, shear bolts with nuts and washers etc.)	6.00	Ton	30000.00
76.00		Installation of cable trays and accessories including special parts, covers as detailed in drawings and specification including supply & installation of coupler plates, fixing hardware for coupler plates/ cable trays/ tray accessories, identification paint etc. (The rate quoted shall be based on per metric tonne basis, however, measurement will be done on installed route length of cable trays including installation of tray accessories & special parts and converted in to weight based on average weight / metre length of installation. Length of cable tray installation shall be measured taking the lengths of cable trays, tray accessories and special parts along the center line). Note: The Installation charges shall include supply of coupler plates, L clamps, strip clamps and hardware.			
75	76.02	Solid type with cover	7.00	Ton	50000.00
76	76.03	Ladder type without cover	2.00	Ton	50000.00
78.00		Installation of following sizes of seismically qualified under-cut anchor fasteners with anchor length suitable for fixing any thickness of plate commensurate with required equipment loading including work like drilling, cleaning, tightening etc.			
77	78.01	M12 anchor bolts	4.00	Nos	50.00
78	78.02	M16 anchor bolts	4.00	Nos	60.00
79	78.03	M20 anchor bolts	4.00	Nos	100.00
80	78.04	M24 anchor bolts	4.00	Nos	100.00
79.00		LIGHTNING PROTECTION			
81	79.01	Supply of lightening spikes	2.00	Nos	30000.00
82	79.02	Installation of lightening spikes and connecting to the building earthing grid.	2.00	Nos	30000.00
80.00		AUXILIARY TRANSFORMER EARTHING SYSTEM			
83	80.03	126.7 sq. mm. Cu (37x2.11 mm) for connection to transformer body, LV neutral earthing, marshaling box earthing etc.	72.00	Meter	3000.00
84	80.04	126.7 sq. mm. Cu (37x2.11 mm) for connection of Coppe rground electrode to main plant earth grid at minium two locations	400.00	Meter	3000.00
84.00		6.6KV SWITCH GEAR SYSTEM			
84	84.01	Supply of 6.6kv VCB switch gear panel consisting of four panel consisting of one incomer and three feeder along with bus duct , numerical protection relay, auxillary relays, CTs, panel meters, PT, as per attached SLD	1.00	Set	15000000
86	86.00	Supply of spares –two nos of closing coil, two no. tripping coil, two no. of spring charge motor, two no. of breaker auxiliary switch, two set of limit switch, two no. of breaker control switches, one set of PT fuses	1.00	Set	4000000
87	90.00	Road cutting	250.00	Cu.m	2000.00
88	91.07	Supplying, fabricating, erecting and fixing in position centering and shuttering / formwork to correct line and levels including	750.00	Sq.m	750.00

क्र.सं. Sl. No	अनिर्दिष्ट मद सं. ALR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	₹ में बोलीदार द्वारा बताए गए दर Rate Quoted by the bidder in ₹
		strutting, propping, etc., with necessary bracings in all axis to give a stable assembly. The scope also includes dismantling and removing the shuttering after concrete attains the sufficient strength to self-support itself without cracking and distortion including all materials and labour complete. (includes necessary works for transformer pockets civil works). The measurement for the formwork will be the actual area of forms in contact with concrete surfaces.			
89	91.12	Formation of diversion road using Granular Sub-Base (GSB) by providing close graded Material, mixing in a mechanical mix plant at OMC, Carriage of mixed Material to work site, spreading in uniform layers and compacting with roller as directed by the Engineer-in-Charge.	20.00	Cu.m	2100.00
90	91.13	Removal of existing paver blocks, stacking at nearby location and relaying after laying of cable including cushioning with 50mm thick sand and compacting with plate compacter as directed by Engineer In Charge	60.00	Sq.m	300.00

21. अपसामान्य उच्च दर मदों की सूची नीचे दी गई है जिसके लिए आप कार्यवृत्त संदर्भ एनपीसीआईएल/मपबीघ/सीएमएम (कार्य)/2025 दिनांक: 16/08/2025 के अनुसार निम्नलिखित दरों के लिए अतिरिक्त मात्रा (यानी निविदा मात्रा से परे) निष्पादित करने के लिए सहमत हुए हैं।

The list of AHR items is detailed below for which you have agreed to execute the additional quantities (i.e beyond tender quantities) for the following rates as per MOM Ref. NPCIL/MAPS/CMM(Works)/2025 dtd. 16/08/2025.

क्र.सं. Sl. No	एएचआर मद सं. AHR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	₹ जीसीसी के अनुसार अतिरिक्त मात्रा के निष्पादन के लिए बोली लगाने वाले द्वारा स्वीकार की गई दर Rate accepted by bidder for execution of additional quantities as per GCC
1	1.02	Supply of following pre-fabricated and galvanized cable tray supporting structure ISA 65X65X6	81.00	Meter	221.84
2	1.04	Supply of following pre-fabricated and galvanized cable tray supporting structure ISA 65X65X8	15.00	Meter	301.14
3	1.16	3 mm thick L clamp with M8x30 mm long bolt, 2 plain washer, 1 spring washer and nut	260.00	Nos	47.2
4	7.02	Installation of following medium duty GI pipes/Conduits/hume pipes for routing cables 65 mm Dia Pipe	35.00	Meter	151.04
5	21.01	Supply of straight through jointing kits for 1.1kV rated Copper conductor, PVC insulated, overall screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes: 4Cx10 sqmm	12.00	Nos	1903.10
6	28.00	Supply of 60/5A/5A, resin casted current transformer of following rating:a) Core-1: CL 5P20, 15VA b) Core-2: CL 1.0, ISF<=5, 10VA	2.00	Nos	3964.80
7	29.00	Removal of existing current transformer in existing 6.6kV switchgear feeder for OESC supply and handing it to Purchaser for depositing it in his O&M stores. Installation & mounting of supplied 60/5A/5A CT in place of existing CT and connection of it in 6.6kV switchgear OESC feeder control scheme.	2.00	Nos	1208.32

क्र सं. Sl. No	एएचआर मद सं. AHR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र जीसीसी के अनुसार अतिरिक्त मात्रा के निष्पादन के लिए बोली लगाने वाले द्वारा स्वीकार की गई दर Rate accepted by bidder for execution of additional quantities as per GCC
8	30.00	Supply of 86X auxiliary relay with 220V DC coil, mechanical latching type, hand reset, forward flag, 2NO+1NC potential free auxiliary contact of rating 10 A, 240 V AC and 0.5 A inductive breaking at 220 V DC. Auxiliary Contacts shall be of class-1 as per IEC 62271-1	2.00	Nos	4440.58
9	34.02	OFC CABLING SYSTEM - Supply of light interface unit	4.00	Nos	2832.00
10	36.01	Lighting System: Supply of following sizes of GI conduit, as specified.: -25 mm dia GI conduit	10000.00	Meter	63.25
11	40.00	Supply of 14 SWG stranded copper grounding wire as detailed in this specification	10000.00	Meter	32.10
12	53.03	Supply of following sizes of crimpable copper lugs : 10 sq.mm.	30.00	Nos	13.22
13	65.00	Supply of Class-A Insulating Mat as per IS-15652 for complete front and back side of ADG set, ACDBs, UPS, Battery bank, Auxiliary transformer etc.	1.00	Lot	1966.35
14	66.00	Installation of Class-A Insulating Mat for complete front and back side of ADG set, ACDBs, UPS, Battery bank, Auxiliary transformer etc.	1.00	Lot	755.20
15	67.00	Supply of Class-B Insulating Mat as per IS-15652 for complete front and back side of 6.6kV switchgear board consisting of 4 Nos of feeders	1.00	Nos	1604.80
16	68.00	Installation of Class-B Insulating Mat for complete front and back side of 6.6kV switchgear board consisting of 4 Nos of feeders	1.00	Nos	755.20
17	77.01	Supply of following sizes of seismically qualified under-cut anchor fasteners of reputed make like M/s Hilti/ Fischer with M12 anchor bolts	4.00	Nos	53.81
18	89.02	Installation of Antistatic flooring including supply of adhesive	100.00	Sq.m	94.40
19	91.01	Clearing Heavy jungle area including cutting all unwanted plants, branches, twigs, wild growth, trees, and saplings of girth upto 30cm, uprooting of rank vegetation etc. complete, and disposing the same 100metres away by manually as directed by the Engineer-in-Charge. Note: Mechanical means will be permitted only if cable / service lines are not found below.	15250.00	Sq.m	10.12
20	91.05	Providing and laying 230mm thick dry stone pitching using 230mm thick random rubble stones including preparation of bed in proper slope and spreading locally available earth over pitching to fill up the gaps as binding material etc., complete.	1650.00	Sq.m	1308.75
21	91.10	Providing test pits by excavation by manual means of size 1.0m x 0.6m wide x 1.2m deep to trace the cable prior to excavation.	16.00	Nos	1413.34

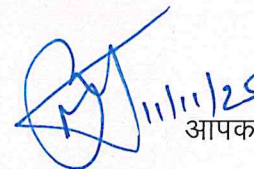
क्र.सं. Sl. No	एएचआर मद सं. AHR item No.	मद का विवरण Description of item	मात्रा Qty	यूनिट Unit	र जीसीसी के अनुसार अतिरिक्त मात्रा के निष्पादन के लिए बोली लगाने वाले द्वारा स्वीकार की गई दर Rate accepted by bidder for execution of additional quantities as per GCC
22	91.16	Providing plastering over the masonry / concrete works in cement mortar 1:5, 12mm thick finished with a floating coat of neat cement including hacking of concrete surfaces with pointed tool, finishing, curing, forming grooves wherever necessary (including transformer pockets civil works), all as directed by Engineer In Charge	320.00	Sq.m	525.01
23	91.18	Providing, supplying, transporting, laying and jointing hydraulically tested NP3 class cement concrete pipes conforming to IS:458 for road drains of 200mm dia size with colors, RCC pedestal supports and all necessary fixtures including grouting the joints with 1:2 cement sand mortar by volume and curing, all materials, labor, tools and plants etc. including providing first class bedding for the pipes as per IS:783 and all necessary works etc. all complete as directed by the Engineer-in-Charge.	120.00	RM	1292.90

22. निविदा आमंत्रण सूचना के अनुसूची ए के अनुसार संविदा हेतु दोष दायित्व अवधि एक वर्ष हैं।
The defect liability period for the contract is one year 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

के.वी. अप्पला राजु
K.V. APPALA RAJU
प्रधान (सं. एवं. सा. प्र.) Head (G & MM)
न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इंडिया लिमिटेड
NUCLEAR POWER CORPORATION OF INDIA LIMITED
(भारत सरकार का उद्यम A Government of India Enterprise)
मद्रास परमाणु विजलीघर Madras Atomic Power Station
कल्पाक्कम Kalpakkam-603 102

प्रधान (सं.सा.प्र.) Head (C&MM)
(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.:

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

प्र.प्रे.C.C. : विनि/मुअधी - सूचनार्थ SD/CS – for information Pl.

- : श्रीमती. वुल्ची कल्याणी, वैज्ञानिक अधिकारी (एफ), प्रभारी अभियंता
Smt. Vulchi Kalyani, SO/F, 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/केनिक/ विअ/सार्वजनिक/ईटी 886/2024
TENDER NO : MAPS/CTC/EM/PUBLIC/ET886/2024

कार्य का नाम : न्यूपाकाइलि मपबिघ पऊवि स्थल पर सिविल कार्यो संबंधित ओईएससी भवन हेतु विद्युतीय और सामग्रियों की संस्थापन और आपूर्ति ।
NAME OF THE WORK : Supply and installation of Electrical and auxiliary items for OESC Building including associated civil works at NPCIL MAPS DAE site.

Sl.No.	मद का विवरण Description of item	मात्रा Quantity	यूनिट Unit	संख्याओं में दर Rate in Figures	शब्दों में दर Rate in words	राशि Amount	अपसामान्य निम्न दर / अपसामान्य उच्च दर मद ALR / AHR Items
1.00	Supply of following pre-fabricated and galvanized cable tray supporting structure materials as per specification, tender drawing (MAPS-1&2/01652/2053/GA) and reference drawings Nos KAPP-3&4/ 21490/ 2002, 2003 & 2004/DD.						
1.01	22Ø FIRST ROD WITH M22x55 LONG THREADING ON ONE END & M 22 HEX NUT	260.00	Meter	330.00	Rupees Three Hundred Thirty Only	85800	
1.02	ISA 65X65X6	81.00	Meter	600.00	Rupees Six Hundred Only	48600	AHR
1.03	22Ø ROD	13.00	Meter	310.00	Rupees Three Hundred Ten Only	4030	
1.04	ISA 65X65X8	15.00	Meter	800.00	Rupees Eight Hundred Only	12000	AHR
1.05	ISMC 75 CHANNELS	10.00	Meter	950.00	Rupees Nine Hundred Fifty Only	9500	
1.06	COUPLERS (36 ODX6 THK.)	250.00	Nos	220.00	Rupees Two Hundred Twenty Only	55000	
1.07	WELD ATTACHMENT (MADE OF 75x10 THK. PLATE, 320 LONG)	200.00	Nos	7000.00	Rupees Seven Thousand Only	1400000	
1.08	SWIVEL WASHER SEAT (46Øx16 THK.)	200.00	Nos	300.00	Rupees Three Hundred Only	60000	
1.09	SWIVEL WASHER (40Øx16 THK.)	200.00	Nos	250.00	Rupees Two Hundred Fifty Only	50000	
1.10	ISO 1234, 3.5x32 SPILIT PIN	200.00	Nos	500.00	Rupees Five Hundred Only	100000	
1.11	SHEAR BOLT M10X70 WITH HEX. HEAD & NUT & WASHER	300.00	Nos	60.00	Rupees Sixty Only	18000	
1.12	WASHER FOR SHEAR BOLT	300.00	Nos	60.00	Rupees Sixty Only	18000	
1.13	NUT FOR SHEAR BOLT	300.00	Nos	40.00	Rupees Forty Only	12000	
1.14	ISO 1234, 3.5X20 SPLIT PIN	300.00	Nos	600.00	Rupees Six Hundred Only	180000	
1.15	WASHER (48Ø, IS 2016)	250.00	Nos	35.00	Rupees Thirty Five Only	8750	
1.16	3 mm thick L clamp with M8x30 mm long bolt, 2 plain washer, 1 spring washer and nut	260.00	Nos	200.00	Rupees Two Hundred Only	52000	AHR
1.17	600mm long, 30 mm wide & 2.5 mm hot dip galvanized strip with two Nos of M8x30 mm long bolt, 4 plain washer, 2 spring washer and 2 nuts	12.00	Nos	500.00	Rupees Five Hundred Only	6000	ALR
2.00	Installation of cable tray supporting structure including site works such as cutting, drilling, threading, welding, fixing the hardware, touch up painting using zinc rich paint for welded surfaces etc., as per the specification, cable installation note, tender drawing (MAPS-1&2/01652/2053/GA) and reference drawings Nos KAPP-3&4/ 21490/2002, 2003 & 2004/DD						
2.01	TYPE- CE, ceiling support for supporting one number of straight run of tray or elbow (1 TIER) of 150 mm width	54.00	Nos	900.00	Rupees Nine Hundred Only	48600	

2.02	TYPE- CE, ceiling support for supporting one number of straight run of tray or elbow (1 TIER) of 300 mm width	7.00	Nos	1000.00	Rupees One Thousand Only	7000
2.03	TYPE- CT, ceiling support for supporting one number of TEE accessory (1 TIER) of 150 mm width	2.00	Nos	850.00	Rupees Eight Hundred Fifty Only	1700
2.04	TYPE- CT, ceiling support for supporting one number of TEE accessory (1 TIER) of 300 mm width	2.00	Nos	1100.00	Rupees One Thousand One Hundred Only	2200
2.05	TYPE- D2, wall/column support for supporting one number of vertical straight run of tray (1 TIER) of 150 mm width	18.00	Nos	800.00	Rupees Eight Hundred Only	14400
2.06	TYPE- D2, wall/column support for supporting one number of vertical straight run of tray (1 TIER) of 300 mm width	12.00	Nos	1200.00	Rupees One Thousand Two Hundred Only	14400
2.07	Common cable tray and ventilation duct support for supporting 1 Tier of straight tray or elbow of 150 mm width	24.00	Nos	750.00	Rupees Seven Hundred Fifty Only	18000
3.00	CABLING SYSTEM					
	Supply of following sizes of 6.6kV/11kV rated, Al conductor, XLPE insulated, FRLS PVC (ST2) inner and outer sheathed, GI wire/ strip armoured power cables along with steel cable drums					
3.01	3Cx185 sqmm armoured cable	4850.00	Meter	1520.00	Rupees One Thousand Five Hundred Twenty Only	7372000
4.00	Supply of following sizes of 1100V rated, Cu/ Al conductor, XLPE insulated, FRLS PVC (ST2) inner and outer sheathed power cables along with steel/ wooden cable drums					
4.01	3.5Cx400 sqmm, Al conductor, armoured cable (GI armour) with steel cable drum	400.00	Meter	2400.00	Rupees Two Thousand Four Hundred Only	960000
4.02	3Cx2.5 sqmm, Cu conductor, un-armoured cable with wooden cable drum	185.00	Meter	160.00	Rupees One Hundred Sixty Only	29600
5.00	Supply of following sizes of 1100V/ 650V rated, Cu conductor, PVC (Type-A) insulated, Overall screened, FRLS PVC (ST1) inner and outer sheathed, GI armoured control cables along with steel/ wooden cable drums					
5.01	4Cx2.5 sqmm, 1100V rated with wooden cable drum	85.00	Meter	206.00	Rupees Two Hundred Six Only	17510
5.02	2Cx2.5 sqmm, 1100V rated with wooden cable drum	125.00	Meter	110.00	Rupees One Hundred Ten Only	13750
5.03	4Cx10 sqmm, 1100V rated with steel cable drum	10150.00	Meter	850.00	Rupees Eight Hundred Fifty Only	8627500
5.04	2Cx10 sqmm, 1100V rated with steel cable drum	500.00	Meter	400.00	Rupees Four Hundred Only	200000
5.05	10Px1.5 sqmm, 650V rated with steel cable drum	500.00	Meter	568.00	Rupees Five Hundred Sixty Eight Only	284000
6.00	Supply of following medium duty GI pipes/ heavy duty ERW Rigid Conduits/hume pipe for routing cables from cable trays to Distribution Boards or to various field equipment or between equipment as directed by Engineer- in- charge.					
6.01	100 mm Dia Pipe	20.00	Meter	1900.00	Rupees One Thousand Nine Hundred Only	38000
6.02	65 mm Dia Pipe	35.00	Meter	1500.00	Rupees One Thousand Five Hundred Only	52500
6.03	40 mm Dia Pipe	15.00	Meter	1000.00	Rupees One Thousand Only	15000
6.04	25 mm Dia Conduit	815.00	Meter	400.00	Rupees Four Hundred Only	326000
7.00	Installation of following medium duty GI pipes/ Conduits/hume pipes for routing cables (from cable trays to Distribution Boards or to various field equipment or between equipment as directed by Engineer- in- charge), including supply and installation of clamps/ fasteners/ supports, accessories like bends/ couplers along with cutting, threading etc.					
7.01	100 mm Dia Pipe	20.00	Meter	250.00	Rupees Two Hundred Fifty Only	5000
						ALR

7.02	65 mm Dia Pipe	35.00	Meter	200.00	Rupees Two Hundred Only	7000	AHR
7.03	40 mm Dia Pipe	15.00	Meter	150.00	Rupees One Hundred Fifty Only	2250	ALR
7.04	25 mm Dia Conduit	815.00	Meter	100.00	Rupees One Hundred Only	81500	ALR
8.00	Installation of following sizes and types of cable trays and accessories as detailed in drawings and specification including supply & installation of coupler plates, fixing hardware for coupler plates, L clamps, strip clamps, cable trays identification paint etc. (The rate quoted shall be based on per meter route length of cable trays considering installation of tray accessories. Length of cable tray installation shall be measured taking the lengths of cable trays and tray accessories along the center line).						
8.01	Ladder Type 150mm wide	140.00	Meter	300.00	Rupees Three Hundred Only	42000	
8.02	Ladder Type 300mm wide	35.00	Meter	450.00	Rupees Four Hundred Fifty Only	15750	
8.03	Solid Covered Type 300mm wide	20.00	Meter	450.00	Rupees Four Hundred Fifty Only	9000	
8.04	Covers for solid trays 300mm wide	20.00	Meter	150.00	Rupees One Hundred Fifty Only	3000	
9.00	Laying and dressing of following types of LT power cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, burnt bricks, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.						
9.01	3.5Cx300, Al, Unarmoured - Laid in Cable Tray	50.00	Meter	200.00	Rupees Two Hundred Only	10000	ALR
9.02	3.5Cx185, Al, Unarmoured - Laid in Cable Tray	80.00	Meter	150.00	Rupees One Hundred Fifty Only	12000	ALR
9.03	4Cx16, Cu, Unarmoured - Laid in Cable Tray	500.00	Meter	60.00	Rupees Sixty Only	30000	ALR
9.04	3Cx6, Cu, Unarmoured - Laid in Cable Tray	125.00	Meter	50.00	Rupees Fifty Only	6250	
9.05	4Cx2.5, Cu, Unarmoured - Laid in Rigid Conduit/ Cable Tray	490.00	Meter	30.00	Rupees Thirty Only	14700	
9.06	3Cx2.5, Cu, Unarmoured - Laid in Cable Tray/ Rigid Conduit	335.00	Meter	30.00	Rupees Thirty Only	10050	
9.07	2Cx2.5, Cu, Unarmoured - Laid in Rigid Conduit/ Cable Tray	80.00	Meter	30.00	Rupees Thirty Only	2400	
9.08	3.5Cx400, Al, Armoured - Buried in soil	400.00	Meter	500.00	Rupees Five Hundred Only	200000	ALR
10.00	Laying and dressing of following types of HT power cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, concrete tiles, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.						
10.01	3Cx185, Al, Armoured - Buried in soil/ Cable tray	4850.00	Meter	700.00	Rupees Seven Hundred Only	3395000	ALR
10.02	3Cx400, Al, Armoured - buried in soil/ Cable tray	280.00	Meter	800.00	Rupees Eight Hundred Only	224000	ALR
11.00	Laying and dressing of following types of control cables in cable trays & conduits/GI pipes in building, buried in soil, through hume pipes including supply & installation of cable binding wires, cable dressing wires, hardware for clamping/ fixing, sand, burnt bricks, cable route marker, joint marker etc., as specified. It also includes excavation of soil for buried cable route, clearing of obstructions, de-forestation, laying of hume pipes, cutting of roads and re-construction of roads as per original etc.						
11.01	4Cx2.5 sqmm - Laid in Rigid Conduit/ Cable Tray	85.00	Meter	30.00	Rupees Thirty Only	2550	
11.02	2Cx2.5 sqmm - Laid in Rigid Conduit/ Cable Tray	125.00	Meter	30.00	Rupees Thirty Only	3750	
11.03	4Cx10 sqmm - Buried in soil/ Cable tray	10150.00	Meter	180.00	Rupees One Hundred Eighty Only	1827000	
11.04	2Cx10 sqmm - Cable tray	500.00	Meter	50.00	Rupees Fifty Only	25000	ALR
11.05	10Px1.5 sqmm - Cable tray	500.00	Meter	40.00	Rupees Forty Only	20000	ALR
12.00	Supply of cable glands for the following HT power cables						
12.01	3Cx185, Al, Armoured	4.00	Nos	3500.00	Rupees Three Thousand Five Hundred Only	14000	

[illegible]

18.01	3Cx185 sqmm		4.00	Nos	4000.00	Rupees Four Thousand Only	16000	ALR
18.02	3Cx400 sqmm		4.00	Nos	4000.00	Rupees Four Thousand Only	16000	ALR
19.00	Supply of straight through jointing kits for 6.6kV Aluminium conductor, XLPE insulated, semiconductor screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:							
19.01	3Cx185 sqmm		6.00	Nos	16850.00	Rupees Sixteen Thousand Eight Hundred Fifty Only	101100	
20.00	Installation of straight through jointing kits for 6.6kV Aluminium conductor, XLPE insulated, semiconductor screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:							
20.01	3Cx185 sqmm		6.00	Nos	4000.00	Rupees Four Thousand Only	24000	ALR
21.00	Supply of straight through jointing kits for 1.1kV rated Copper conductor, PVC insulated, overall screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:							
21.01	4Cx10 sqmm		12.00	Nos	3568.00	Rupees Three Thousand Five Hundred Sixty Eight Only	42816	AHR
22.00	Installation of straight through jointing kits for 1.1kV rated Copper conductor, PVC insulated, overall screened, FRLS PVC inner and outer sheathed, Armoured cables of following sizes:							
22.01	4Cx10 sqmm		12.00	Nos	1500.00	Rupees One Thousand Five Hundred Only	18000	
23.00	Termination and connection of following types and sizes of HT power cables at both ends by providing cable glands, lugs, ferrules, clamps, hardware etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)							
23.01	3Cx185 sqmm, Al, armoured		4.00	Nos	1000.00	Rupees One Thousand Only	4000	ALR
23.02	3Cx400 sqmm, Al, armoured		4.00	Nos	1000.00	Rupees One Thousand Only	4000	ALR
24.00	Termination and connection of following types and sizes of LT power cables at both ends by providing cable glands, lugs, ferrules, clamps, hardware etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)							
24.01	3.5Cx185, Al, Unarm		2.00	Nos	500.00	Rupees Five Hundred Only	1000	
24.02	4Cx16, Cu, Unarm		20.00	Nos	150.00	Rupees One Hundred Fifty Only	3000	
24.03	3Cx6, Cu, Unarm		4.00	Nos	130.00	Rupees One Hundred Thirty Only	520	
24.04	4Cx2.5, Cu, Unarm		24.00	Nos	130.00	Rupees One Hundred Thirty Only	3120	
24.05	3Cx2.5, Cu, Unarm		28.00	Nos	130.00	Rupees One Hundred Thirty Only	3640	
24.06	2Cx2.5, Cu, Unarm		16.00	Nos	100.00	Rupees One Hundred Only	1600	
24.07	3.5Cx400, Al, Armoured		4.00	Nos	500.00	Rupees Five Hundred Only	2000	ALR
25.00	Termination and connection of following types and sizes of Control cables at both ends by providing cable glands, lugs, ferrules, clamps, hardware etc., and drilling of gland plates, wherever applicable, crimping of lugs, earthing of armour/ screen for termination of following cables (Source end & load end considered separately)							
25.01	4Cx2.5, Cu, Armoured		2.00	Nos	130.00	Rupees One Hundred Thirty Only	260	
25.02	2Cx2.5, Cu, Armoured		4.00	Nos	100.00	Rupees One Hundred Only	400	
25.03	4Cx10, Cu, Armoured		8.00	Nos	150.00	Rupees One Hundred Fifty Only	1200	

25.04	2Cx10, Cu, Armoured	4.00	Nos	100.00	Rupees One Hundred Only	400	ALR
25.05	10Px1.5, Cu, Armoured	4.00	Nos	250.00	Rupees Two Hundred Fifty Only	1000	
26.00	Supply of mortar based fire stops and fire break for all floor & wall openings of cable trays and in the run of cable trays and for sealing of electrical conduits including supply of structural steel support material if required						
26.01	3 hr. rated mortar based fire stop for cable penetration in floor/walls + Fire stop for cable/wire conduits & pipe sleeves	10.00	Sq.m	2400.00	Rupees Two Thousand Four Hundred Only	24000	ALR
26.02	30 minute rated fire retardant compound (Fire break) over cable	500.00	Sq.m	1300.00	Rupees One Thousand Three Hundred Only	650000	ALR
27.00	Installation of mortar based fire stops and fire break for all floor & wall openings of cable trays and in the run of cable trays and for sealing of electrical conduits including supply of structural steel support material if required						
27.01	3 hr. rated mortar based fire stop for cable penetration in floor/walls + Fire stop for cable/wire conduits & pipe sleeves	10.00	Sq.m	2300.00	Rupees Two Thousand Three Hundred Only	23000	
27.02	30 minute rated fire retardant compound (Fire break) over cable	500.00	Sq.m	1300.00	Rupees One Thousand Three Hundred Only	650000	
28.00	Supply of 60/5A/5A, resin casted current transformer of following rating:a) Core-1: CL 5P20, 15VA b) Core-2: CL 1.0, ISF<=5, 10VA	2.00	Nos	15286.00	Rupees Fifteen Thousand Two Hundred Eighty Six Only	30572	AHR
29.00	Removal of existing current transformer in existing 6.6kV switchgear feeder for OESC supply and handing it to Purchaser for depositing it in his O&M stores. Installation & mounting of supplied 60/5A/5A CT in place of existing CT and connection of it in 6.6kV switchgear OESC feeder control scheme.	2.00	Nos	2000	Rupees Two Thousand Only	4000	AHR
30.00	Supply of 86X auxiliary relay with 220V DC coil, mechanical latching type, hand reset, forward flag, 2NO+1NC potential free auxiliary contact of rating 10 A, 240 V AC and 0.5 A inductive breaking at 220 V DC. Auxiliary Contacts shall be of class-1 as per IEC 62271-1	2.00	Nos	6000.00	Rupees Six Thousand Only	12000	AHR
31.00	Modification if 6.6kV switchgear feeder control scheme as per the drawing including installation and connection of 86X auxiliary relay and connection of interlock control cables from auxiliary transformer and OESC ACDB panel	2.00	Nos	15000.00	Rupees Fifteen Thousand Only	30000	
32.00	Supply of 0.63A-1A, 3 Pole MPCB	5.00	Nos	8000.00	Rupees Eight Thousand Only	40000	
33.00	Installation of 0.63A-1A, 3 pole MPCB on the wall near to each exhaust and propeller fans and connecting the same to exhaust/ propeller fan power supply cable along with supply and installation of all necessary mounting hardware	5.00	Nos	1000.00	Rupees One Thousand Only	5000	
34.00	OFC CABLING SYSTEM						
34.01	Supply of fibre optic cable 24C single mode armoured	4000.00	Meter	300.00	Rupees Three Hundred Only	1200000	ALR
34.02	Supply of light interface unit	4.00	Nos	14000	Rupees Fourteen Thousand Only	56000	AHR
34.03	Supply of 25mm dia HDPE pipe for laying of OFC cable	10000.00	Meter	400.00	Rupees Four Hundred Only	4000000	ALR
34.04	Supply of coupler for 25mm dia HDPE pipe	100.00	Nos	100.00	Rupees One Hundred Only	10000	ALR
34.05	Supply of 300 mm dia NP-3 hume pipe for cabling at road crossing	150.00	Meter	1000.00	Rupees One Thousand Only	150000	ALR
34.06	Supply of 150 mm dia NP-3 hume pipe for cabling at road crossing	150.00	Meter	700.00	Rupees Seven Hundred Only	105000	ALR
34.07	Installation of 300mm dia NP-3 hume pipe with RCC cushion at road crossing.	150.00	Meter	500.00	Rupees Five Hundred Only	75000	ALR
34.08	Installation of 150 mm dia NP-3 hume pipe for cabling at road crossing ?	150.00	Meter	500.00	Rupees Five Hundred Only	75000	ALR

51.01	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type A LED fixture	74.00	Nos	500.00	Rupees Five Hundred Only	37000	ALR
51.02	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type B LED fixture	241.00	Nos	500.00	Rupees Five Hundred Only	120500	ALR
51.03	Surface mounting (Wall/ Column/ Floor slab soffit/ beam soffit) of Equivalent Type D LED fixture	41.00	Nos	500.00	Rupees Five Hundred Only	20500	ALR
51.04	Type-VB mounting of Equivalent Type SL1 LED fixture	12.00	Nos	1000.00	Rupees One Thousand Only	12000	ALR
52.00	EQUIPMENT EARTHING SYSTEM: Supply of copper earthing leads of following sizes						
52.01	65.09 sq. mm. Cu	200.00	Meter	1500.00	Rupees One Thousand Five Hundred Only	300000	ALR
52.02	35 sq. mm. Cu	60.00	Meter	637.00	Rupees Six Hundred Thirty Seven Only	38220	ALR
52.03	10 sq. mm. Cu	110.00	Meter	285.00	Rupees Two Hundred Eighty Five Only	31350	
53.00	Supply of following sizes of crimpable copper lugs						
53.01	65.09 sq. mm.	20.00	Nos	80.00	Rupees Eighty Only	1600	ALR
53.02	35 sq. mm.	15.00	Nos	50.00	Rupees Fifty Only	750	
53.03	10 sq. mm.	30.00	Nos	40	Rupees Forty Only	1200	AHR
54.00	Supply of following sizes of copper offset bar lugs						
54.01	65.09 sq. mm.	4.00	Nos	120.00	Rupees One Hundred Twenty Only	480	
55.00	Installation of copper earthing leads of following sizes for connecting equipment earthing terminal to nearest earthing pads including crimping/ brazing of copper conductor to lug, bolting/ brazing of conductor/ lug to equipment/ earthing pad, clamping over conduits using copper earth clips, making chase in the floor, grouting the chased area of the floor, hardware, bi-metallic connector etc., as required shall be supplied and installed						
55.01	65.09 sq. mm. Cu	200.00	Meter	75.00	Rupees Seventy Five Only	15000	ALR
55.02	35 sq. mm. Cu	60.00	Meter	50.00	Rupees Fifty Only	3000	ALR
55.03	10 sq. mm. Cu	110.00	Meter	40.00	Rupees Forty Only	4400	ALR
56.00	Installation of following sizes of crimpable copper lugs						
56.01	65.09 sq. mm.	20.00	Nos	50.00	Rupees Fifty Only	1000	ALR
56.02	35 sq. mm.	15.00	Nos	40.00	Rupees Forty Only	600	ALR
56.03	10 sq. mm.	30.00	Nos	30.00	Rupees Thirty Only	900	ALR
57.00	Installation of following sizes of copper offset bar lugs						
57.01	65.09 sq. mm.	4.00	Nos	200.00	Rupees Two Hundred Only	800	
58.00	Supply of 25 X 6 mm Galvanized steel earth continuity conductor to be run along cable pans/ trays	900.00	Meter	250.00	Rupees Two Hundred Fifty Only	225000	
59.00	Installation of 25 X 6 mm Galvanized steel earth continuity conductor to be run along cable pans/ trays including supply and installation all required hardware for fixing of this GI strip to cable pans/ trays	900.00	Meter	60.00	Rupees Sixty Only	54000	ALR

60.00	Supply of ADG room louvers and its associated bird mesh as per the details and size given in attached electrical equipment layout drawing (MAPS-1&2/01652/2054/GA)	4.00	Nos	25000.00	Rupees Twenty Five Thousand Only	100000	
61.00	Installation of ADG room louvers and its associated bird mesh including supply and installation all required hardware, seismically qualified anchor fastener, welding, bolting, civil work modification, repairing of modified civil work, finishing touches on civil work etc.	4.00	Nos	2500.00	Rupees Two Thousand Five Hundred Only	10000	
62.00	Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, fabrication, documentation, coordination, inspection, testing at works, packaging, forwarding, supply, safe delivery at site, unloading at site, storage, handling, transportation from storage to erection site of 6.6kV/433V, 500kVA rated, type tested oil filled Auxiliary Transformers including all accessories, conforming to specification and drawings.	2.00	Nos	2250000.00	Rupees Twenty Two Lakh Fifty Thousand Only	4500000	
63.00	Site works (Erection, preparation of area/ EP where the equipment is to be installed, installation, carrying out pre-commissioning checks, Testing and commissioning including storage, handling, loading/unloading, transportation at site, storage-cum-erection Insurance etc. and handling over) of 6.6kV/433V, 500kVA rated, oil filled Auxiliary Transformers including all accessories including supply and installation of Embedded parts (wherever required), anchor fasteners, base frames, mounting brackets, support structures, accessories, insulating mats, hardwares etc. (as required) along with necessary welding drilling, painting etc. of different modules conforming to requirement of tender specification and drawings	2.00	Nos	50000.00	Rupees Fifty Thousand Only	100000	
64.00	Transportation at site, preparation of area/ EP where the equipment is to be installed, installation, carrying out the pre-commissioning checks, testing & commissioning of the following electrical equipment including supply and installation of embedded parts (wherever required), seismically qualified anchor fasteners, base frame (wherever required), mounting brackets, support structures, hardware etc., (as required) along with necessary welding, drilling, painting, civil work modification, repairing of modified civil work, finishing touches on civil work etc. All equipment erection shall be done strictly as per approved foundation drawing which will be shared with successful Bidder.						
64.01	Obtaining license from Tamil nadu pollution control board	2.00	Nos	400000.00	Rupees Four Lakh Only	800000	
64.02	ADG room ventilation fan, its wall cowl & bird screen	4.00	Nos	2500.00	Rupees Two Thousand Five Hundred Only	10000	
64.03	AC Distribution boards	2.00	Nos	3000.00	Rupees Three Thousand Only	6000	
64.04	UPS	2.00	Nos	3000.00	Rupees Three Thousand Only	6000	
64.05	VRLA Battery Bank	2.00	Nos	18000.00	Rupees Eighteen Thousand Only	36000	
65.00	Supply of Class-A Insulating Mat as per IS-15652 for complete front and back side of ADG set, ACDBs, UPS, Battery bank, Auxiliary transformer etc.	1.00	Lot	15000	Rupees Fifteen Thousand Only	15000	AHR
66.00	Installation of Class-A Insulating Mat for complete front and back side of ADG set, ACDBs, UPS, Battery bank, Auxiliary transformer etc.	1.00	Lot	1000.00	Rupees One Thousand Only	1000	AHR
67.00	Supply of Class-B Insulating Mat as per IS-15652 for complete front and back side of 6.6kV switchgear board consisting of 4 Nos of feeders	1.00	Nos	14000	Rupees Fourteen Thousand Only	14000	AHR
68.00	Installation of Class-B Insulating Mat for complete front and back side of 6.6kV switchgear board consisting of 4 Nos of feeders	1.00	Nos	1000.00	Rupees One Thousand Only	1000	AHR
69.00	Supply of Danger Notice Plate as per IS-2551 for all HT and LV panels wherever they are not provided	1.00	Lot	250.00	Rupees Two Hundred Fifty Only	250	
70.00	Installation of Danger Notice Plate as per IS-2551 for all HT and LV panels wherever they are not provided	1.00	Lot	75.00	Rupees Seventy Five Only	75	

71.00	Supply of required pre-fabricated galvanized/ painted structural steel members for supporting of equipment/ components/ cable tray supports for income cable route wherever the requirement is there	6.00	Ton	180000.00	Rupees One Lakh Eighty Thousand Only	1080000	
72.00	Installation of the above pre-fabricated galvanized/ painted structural steel members for supporting of equipment/ components/ cable tray supports for income cable route including all necessary works like cutting, drilling, painting, fabrication, welding, bolting, all hardware for fixing etc.	6.00	Ton	30000.00	Rupees Thirty Thousand Only	180000	
73.00	Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, packing & forwarding, transportation and safe delivery to site of following type tested Cable Trays and Accessories including all accessories, conforming to requirement of tender specifications and drawings						
73.01	Cable tray Straight piece of sizes 150W X 100H, 300W X 100H, 450W X 100H, 600W X 100H						
73.02	Solid type straight piece with cover	4.00	Ton	180000.00	Rupees One Lakh Eighty Thousand Only	720000	
73.03	Ladder type straight piece without cover	1.00	Ton	180000.00	Rupees One Lakh Eighty Thousand Only	180000	
73.04	Cable tray Straight piece of sizes 150W X 100H, 300W X 100H, 450W X 100H, 600W X 100H						
73.04	a. Solid type accessories with cover	3.00	Ton	180000.00	Rupees One Lakh Eighty Thousand Only	540000	
73.04	b. Ladder type accessories without cover	1.00	Ton	180000.00	Rupees One Lakh Eighty Thousand Only	180000	
74.00	Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance testing, packing & forwarding, transportation and safe delivery to site of following type tested items required for cable tray support structure including all accessories, conforming to requirement of tender specifications and drawings						
74.01	Supply of following pre-fabricated and galvanized cable tray supporting structure materials as per specification and drawings Nos KAPP-3&4/ 21490/ 2002, 2003 & 2004/DD.						
74.02	22 mm diameter GS first and intermediate rods of various lengths for rod type cable and cable tray support	2.00	Ton	140000.00	Rupees One Lakh Forty Thousand Only	280000	
74.03	Accessories for rod type of supports (Welded attachment, Hexanuts, swivel washer, swivel washer seat, split pin, coupler, shear bolts with nuts and washers etc.)	1.00	Ton	140000.00	Rupees One Lakh Forty Thousand Only	140000	
74.04	Support structural material consisting of flats, ISA and ISMC of various sizes for rigid supports (ceiling, wall and floor supports, cable tray support structures for roof mounted trays, ISA/ISMC horizontal members for rod type supports, fire barrier supports, cable supports below and above panels and vertical cable tray protection barriers etc.)	4.00	Ton	140000.00	Rupees One Lakh Forty Thousand Only	560000	
74.05	Support structural material consisting of Box sections made out of ISMC of various sizes for rigid supports (Ceiling, wall and floor supports, cable tray support structures for roof mounted trays, ISA/ISMC horizontal members for rod type supports.)	1.00	Ton	140000.00	Rupees One Lakh Forty Thousand Only	140000	
74.06	Galvanized gusset plates, end plates for box type support members and Plates of various sizes for fixing cable tray supports, Cable supports, PB stations, panels, barriers etc. to ceiling, wall and floor wherever insitu embedded plates are not available for electrical related installation works.	1.00	Ton	140000.00	Rupees One Lakh Forty Thousand Only	140000	
75.00	Installation of cable tray supporting structure, cable support structures above / below the panels, cable conduit supports, supports for fire stops, protection for fire proof floor sealing, vertical cable tray protection barriers etc., including site works such as cutting, drilling, threading, welding, fixing the hardware, touch up painting using zinc rich paint for welded surfaces etc. , as per the specification and drawings						

75.01	Installation of Rod type flexible supports consisting of various configurations as per drawings including fixing of weld attachment to ceiling, re-sizing (if required) and assembling of rods with all necessary hardware.	3.00	Ton	30000.00	Rupees Thirty Thousand Only	90000	ALR
75.02	Installation of Rigid type supports consisting of various configurations as per drawings (Both standard and non standard supports including box sections) nuts, swivel washer, swivel washer seat, split pin, coupler, shear bolts with nuts and washers etc.)	6.00	Ton	30000.00	Rupees Thirty Thousand Only	180000	ALR
76.00	Installation of cable trays and accessories including special parts, covers as detailed in drawings and specification including supply & installation of coupler plates, fixing hardware for coupler plates/ cable trays/ tray accessories, identification paint etc. (The rate quoted shall be based on per metric tonne basis, however, measurement will be done on installed route length of cable trays including installation of tray accessories & special parts and converted in to weight based on average weight / metre length of installation. Length of cable tray installation shall be measured taking the lengths of cable trays, tray accessories and special parts along the center line). Note: The Installation charges shall include supply of coupler plates, L clamps, strip clamps and hardware.						
76.01	Cable tray and accessories of sizes 150W X 100H, 300W X 100H, 450W X 100H, 600W X 100H						
76.02	Solid type with cover	7.00	Ton	50000.00	Rupees Fifty Thousand Only	350000	ALR
76.03	Ladder type without cover	2.00	Ton	50000.00	Rupees Fifty Thousand Only	100000	ALR
77.00	Supply of following sizes of seismically qualified under-cut anchor fasteners of reputed make like M/s Hilti/ Fischer with anchor length suitable for fixing any thickness of plate commensurate with required equipment loading:						
77.01	M12 anchor bolts	4.00	Nos	100.00	Rupees One Hundred Only	400	AHR
77.02	M16 anchor bolts	4.00	Nos	120.00	Rupees One Hundred Twenty Only	480	
77.03	M20 anchor bolts	4.00	Nos	250.00	Rupees Two Hundred Fifty Only	1000	
77.04	M24 anchor bolts	4.00	Nos	600.00	Rupees Six Hundred Only	2400	
78.00	Installation of following sizes of seismically qualified under-cut anchor fasteners with anchor length suitable for fixing any thickness of plate commensurate with required equipment loading including work like drilling, cleaning, tightening etc.						
78.01	M12 anchor bolts	4.00	Nos	50.00	Rupees Fifty Only	200	ALR
78.02	M16 anchor bolts	4.00	Nos	60.00	Rupees Sixty Only	240	ALR
78.03	M20 anchor bolts	4.00	Nos	100.00	Rupees One Hundred Only	400	ALR
78.04	M24 anchor bolts	4.00	Nos	100.00	Rupees One Hundred Only	400	ALR
79.00	LIGHTNING PROTECTION						
79.01	Supply of lightening spikes	2.00	Nos	300000.00	Rupees Three Lakh Only	600000	ALR
79.02	Installation of lightening spikes and connecting to the building earthing grid.	2.00	Nos	30000.00	Rupees Thirty Thousand Only	60000	ALR
80.00	AUXILIARY TRANSFORMER EARTHING SYSTEM						
80.01	Supply of copper earthing leads/ rods of following sizes						
80.02	Copper earth electrode of 25 mm dia, 3000 mm long	8.00	Nos	5000.00	Rupees Five Thousand Only	40000	
80.03	126.7 sq. mm. Cu (37x2.11 mm) for connection to transformer body, LV neutral earthing, marshaling box earthing etc.	72.00	Meter	3000.00	Rupees Three Thousand Only	216000	ALR
80.04	126.7 sq. mm. Cu (37x2.11 mm) for connection of Copper ground electrode to main plant earth grid at minimum two locations	400.00	Meter	3000.00	Rupees Three Thousand Only	1200000	ALR

81.00	Installation of 25mm dia, 3M long Copper earthing electrode for auxiliary transformer including brazing/ Cad welding, supply and installation of hardware, drilling in the soil etc., as required. Note: The Installation charge shall include supply of all the required hardware.	8.00	Nos	6000.00	Rupees Six Thousand Only	48000	
82.00	Installation of 126.7 sq. mm. copper earthing conductor for connecting of transformer body, LV neutral, marshalling box to copper earth electrode including crimping/ brazing of copper conductor to lug, cadwelding/ brazing / bolting of conductor/ lug to equipment/ earth electrode, making chase in the floor, grouting the chased area of the floor, hardware etc, as required/ specified.	72.00	Meter	100.00	Rupees One Hundred Only	7200	
83.00	Installation of 126.7 sq. mm. Copper earthing conductor for connection of transformer earth electrode to station earth mat including brazing/ cad-welding, excavation, burying in soil, covering with excavated soil, supply and installation of hardware etc., as required. Note: The Installation charge shall include supply of all the required hardware.	400.00	Meter	100.00	Rupees One Hundred Only	40000	
84.00	6.6KV SWITCH GEAR SYSTEM						
84.01	Supply of 6.6kv VCB switch gear panel consisting of four panel consisting of one incomer and three feeder along with bus duct, numerical protection relay, auxiliary relays, CTs, panel meters, PT, as per attached SLD	1.00	Set	15000000.00	Rupees One Crore Fifty Lakh Only	15000000	ALR
85.00	Installation and testing of 6.6kv VCB switch gear panel consisting of four panel consisting of one incomer and three feeder along with bus duct, numerical protection relay, auxiliary relays, CTs, panel meters, PT, as per attached SLD	1.00	Set	100000.00	Rupees One Lakh Only	100000	
86.00	Supply of spares –two nos of closing coil, two no. tripping coil, two no. of spring charge motor, two no. of breaker auxiliary switch, two set of limit switch, two no. of breaker control switches, one set of PT fuses	1.00	Set	4000000.00	Rupees Forty Lakh Only	4000000	ALR
87.00	DOMESTIC WATER LINE SYSTEM						
87.01	SUPPLY OF 50mm dia HDPE pipe for domestic water line	2000.00	Meter	700.00	Rupees Seven Hundred Only	1400000	
87.02	Installation of 50mm dia HDPE pipe for domestic water line along with supply of necessary accessories, vent trap	2000.00	Meter	100.00	Rupees One Hundred Only	200000	
88.00	FIRE ALARM SYSTEM						
88.01	Installation of fire alarm system detector, control wiring, panel mounting and testing.	1.00	Set	1800000.00	Rupees Eighteen Lakh Only	1800000	
89.00	ANTISTATIC FLOORING						
89.01	Supply of Antistatic flooring	100.00	Sq.m	550.00	Rupees Five Hundred Fifty Only	55000	
89.02	Installation of Antistatic flooring including supply of adhesive	100.00	Sq.m	125.00	Rupees One Hundred Twenty Five Only	12500	AHR
90.00	Road cutting	250.00	Cu.m	2000.00	Rupees Two Thousand Only	500000	ALR
91.00	CIVIL WORKS						
91.01	Clearing Heavy jungle area including cutting all unwanted plants, branches, twigs, wild growth, trees, and saplings of girth upto 30cm, uprooting of rank vegetation etc. complete, and disposing the same 100metres away by manually as directed by the Engineer-in-Charge. Note :Mechanical means will be permitted only if cable / service lines are not found below.	15250.00	Sq.m	15.00	Rupees Fifteen Only	228750	AHR

91.02	Excavation by manual means for laying cables in all kinds of soil like hard gravelly soil, sandy soil up to a depth of 2m from average ground level including shoring, strutting, bailing out of water if necessary, levelling and ramming the bottom, stacking the excavated materials away from the edge of trenches. The scope of work also includes refilling the excavated trenches after laying cables with the excavated earth as directed by the Engineer-in-Charge.	8750.00	Cu.m	680.00	Rupees Six Hundred Eighty Only	5950000	
91.03	GOOD EARTH: Supplying at site of good quality earth brought from outside free from weeds, roots, pebbles, rubble and other foreign material, including royalty & carriage, and filling earth (excluding rocks) in trenches, plinth, and sides of foundation, etc., in layers not exceeding 300 mm in depth, consolidating each deposited layer by ramming & watering, for lift upto required level etc., within lead upto 30kms all complete with safety and as per drawings, specifications and as directed by Engineer-In-charge. Note: Only consolidated fill volume shall be measured and paid.	3050.00	Cu.m	1600.00	Rupees One Thousand Six Hundred Only	4880000	
91.04	Providing and laying plain cement concrete 1:4:8 using 40mm maximum size graded aggregates including mechanical mixing, transporting and placing in required position, ramming, compaction, levelling, curing, shuttering, dewatering if any, complete for levelling below hume pipe, transformer pockets related civil works as directed by Engineer-in-Charge complete.	33.00	Cu.m	9000.00	Rupees Nine Thousand Only	297000	
91.05	Providing and laying 230mm thick dry stone pitching using 230mm thick random rubble stones including preparation of bed in proper slope and spreading locally available earth over pitching to fill up the gaps as binding material etc., complete.	1650.00	Sq.m	2000.00	Rupees Two Thousand Only	3300000	AHR
91.06	Providing and laying Reinforced Cement Concrete M-35 Grade not exceeding 38 degree C using 20mm maximum size graded aggregates including mechanical mixing, transporting and placing in required position, ramming, compaction, levelling, curing, dewatering if any, complete all as per specification for levelling courses in foundation for walls, footings, floor drains, transformer pockets related civil works etc., and other required works directed by Engineer-in-Charge. Note : Reinforcement steel & Formwork will be measured under relevant items.	234.00	Cu.m	13000.00	Rupees Thirteen Thousand Only	3042000	
91.07	Supplying, fabricating, erecting and fixing in position centering and shuttering / formwork to correct line and levels including strutting, propping, etc., with necessary bracings in all axis to give a stable assembly. The scope also includes dismantling and removing the shuttering after concrete attains the sufficient strength to self-support itself without cracking and distortion including all materials and labour complete. (includes necessary works for transformer pockets civil works). The measurement for the formwork will be the actual area of forms in contact with concrete surfaces.	750.00	Sq.m	750.00	Rupees Seven Hundred Fifty Only	562500	ALR

91.08	Providing, straightening, decoiling wherever necessary bending, cutting, binding and fixing in position steel reinforcement TMT bars of Fe500D grade steel conforming to IS:1786 'SAIL or VIZAG or approved equivalent make' and tying with approved annealed binding wire 1.6mm dia in all reinforcement concrete work at all lifts, including cost of supplying and fixing the spacer/cover blocks in cement mortar 1:2 and binding wire complete all (including transformer pockets civil works) as per specification and as directed by Engineer-in-Charge at all lifts.	42.00	MT	115000.00	Rupees One Lakh Fifteen Thousand Only	4830000	
91.09	Providing and fixing 50mm thick 1:2:4 RCC Precast cable route marker with embossed identity (size 300 mm x 600mm x 50mm thick) including manufacturing, supplying, hoisting and fixing in position along the cable route.	80.00	Nos	1500.00	Rupees One Thousand Five Hundred Only	120000	
91.10	Providing test pits by excavation by manual means of size 1.0m x 0.6m wide x 1.2m deep to trace the cable prior to excavation.	16.00	Nos	2500	Rupees Two Thousand Five Hundred Only	40000	AHR
91.11	Providing and laying Reinforced Cement Concrete 1:1.5:3 (encasing the hume pipe in main road) using 20mm maximum size graded aggregates including mechanical mixing, transporting and placing in required position, ramming, compaction, levelling, curing, shuttering, dewatering if any, complete all as per specification for levelling courses in foundation for walls, footings, floor drains etc., encasing pipes and other required works directed by Engineer-in-Charge. Note: Reinforcement steel & Formwork will be measured under relevant items	10.00	Cu.m	12000.00	Rupees Twelve Thousand Only	120000	
91.12	Formation of diversion road using Granular Sub-Base (GSB) by providing close graded Material, mixing in a mechanical mix plant at OMC, Carriage of mixed Material to work site, spreading in uniform layers and compacting with roller as directed by the Engineer-in-Charge.	20.00	Cu.m	2100.00	Rupees Two Thousand One Hundred Only	42000	ALR
91.13	Removal of existing paver blocks, stacking at nearby location and relaying after laying of cable including cushioning with 50mm thick sand and compacting with plate compacter as directed by Engineer In Charge	60.00	Sq.m	300.00	Rupees Three Hundred Only	18000	ALR
91.14	Core cutting up to 150mm dia in RCC structure of thickness up to 300mm using diamond cutting tool including hire cost of machines etc all complete as directed by Engineer In Charge	4.00	Nos	3000.00	Rupees Three Thousand Only	12000	
91.15	Providing and construction brick masonry using well burnt stock bricks in cement mortar 1:5 including suitable scaffolding, racking out joints, curing etc as directed by Engineer In Charge	16.00	Cu.m	9000.00	Rupees Nine Thousand Only	144000	
91.16	Providing plastering over the masonry / concrete works in cement mortar 1:5, 12mm thick finished with a floating coat of neat cement including hacking of concrete surfaces with pointed tool, finishing, curing, forming grooves wherever necessary (including transformer pockets civil works), all as directed by Engineer In Charge	320.00	Sq.m	750.00	Rupees Seven Hundred Fifty Only	240000	AHR
91.17	Construction of culvert including all civil works like earth work excavation, RCC,PCC, backfilling, as per drawing and specification excluding Hume pipes	1.00	Set	1100000.00	Rupees Eleven Lakh Only	1100000	

91.18	Providing, supplying, transporting, laying and jointing hydraulically tested NP3 class cement concrete pipes conforming to IS:458 for road drains of 200mm dia size with colors, RCC pedestal supports and all necessary fixtures including grouting the joints with 1:2 cement sand mortar by volume and curing, all materials, labor, tools and plants etc. including providing first class bedding for the pipes as per IS:783 and all necessary works etc. all complete as directed by the Engineer-in-Charge.	120.00	RM	1800	Rupees One Thousand Eight Hundred Only	216000	AHR
91.19	supply and erection of I beam below the roof, embedded into the walls required for material handling in transformer pocket including welding and scaffolding (Total for supply of 6mtrs and erection of 4mtrs- 1set)	2.00	Set	40000.00	Rupees Forty Thousand Only	80000	
	TOTAL					106943671	

(रुपये दस करोड़ उनहत्तर लाख तैतालीस हजार छह सौ इकहत्तर)

(Rupees Ten Crore Sixty Nine Lakh Forty Three Thousand Six Hundred and Seventy One Only)

के.वी. अप्पला राजू
K.V. APPALA RAJU 11/11/25

प्रधान (सं. एवं. सा. प्र.) Head (C&MM) (सं. सा. प्र.) Head (C&MM)
न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इंडिया लिमिटेड

NUCLEAR POWER CORPORATION OF INDIA (सं. सा. प्र.) Head (C&MM)
(भारत सरकार का उद्यम A Government of India Enterprise)

मद्रास परमाणु विजलीघर Madras Atomic Power Station
कल्पाक्कम Kalpakkam

कल्पाक्कम Kalpakkam-603 102

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: न्यूपाकाइलि मपबिघ पऊवि स्थल पर सिविल कार्यो संबंधित ओईएससी भवन हेतु विद्युतीय और सामग्रियों की संस्थापन और आपूर्ति ।

NAME OF WORK: Supply and installation of Electrical and auxiliary items for OESC Building including associated civil works at NPCIL MAPS DAE site.

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 कटिंग 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: