



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Nuclear Power Corporation of India Limited

(भारत सरकार का उद्यम) (A Government of India Enterprise)

काकरापार गुजरात स्थल KAKRAPAR GUJRAT SITE

केंद्रीय निविदा कक्ष Centralized Tendering Cell



डाक : अणुमाला, वाया व्यारा, जिला : तापी (गुजरात) – 394 651 PO : Anumala, Via : Vyara, Dist. TAPI (Gujarat) – 394 651

NO. KAPS/CMM-W/2026/S/23

DATE: 22/01/2026

WORK ORDER

By e-mail: civilisinfra@yahoo.in

सेवा मे To,

M/s CIVILIS INFRA.,

412, Platinum Plaza,

V.T Nagar Circle,

Sarthana Jakatnaka,

Surat-395006

Phone: 9624126066/9624123454.

Kind Attention: - Shri. Sagar Dalsukhbhai Maniya (Partner and POA Holder)

कार्य आदेश सं Work Order No	:	KAPS/CMM-W/1-2/SMU/CAP/2026/WO/90249
उप खाता Sub Ledger	:	C10080-90249
लेखा कोड: Account code: 14400	प्रभार कोड: Charge code: 6152	सीसी कोड: CC code: 641
पैन नं. PAN No :	AAJFC6469J	जीएसटीआईएन नं : GSTIN No : 24AAJFC6469J1Z3
कार्य का नाम Name of work	काकरापार गुजरात साइट पर सिमुलेटर भवन 1 और 2 का निर्माण Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.	
संदर्भ Reference	1. Your bid against our Tender No. KAPS/CMM-W/1-2/SMU/2025/ET/1622 (CPPP Tender ID: 2025_NPCIL_236958_1)	

महोदय Dear Sir,

उपरोक्त के संदर्भ में, With reference to above;

- 1) आपको सूचित किया जाता है कि आपके द्वारा प्रस्तुत की गई निविदा एनपीसीआईएल के लिए और उसकी ओर से, निविदा में सम्मिलित की गई मात्र एवं दरों की अनुसूची में दर्शाए गए कार्य मदों के लिए जीएसटी सहित (वर्तमान कीमत में 18% शामिल किया गया है) रु. 8,10,14,112/- (रुपये आठ करोड़ दस लाख चौदह हजार एक सौ बारह केवल) के कुल मूल्य के लिए स्वीकार कर ली गई है.

This is to inform you that the tender submitted by you 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 Rs. 8,10,14,112/- (Rupees Eight Crores Ten Lakhs Fourteen Thousand One Hundred and Twelve Only) inclusive of GST. (Presently 18 % included in price).

- 2) बारह एचआर आइटम हैं नं: 51, 59, 62.01, 62.02, 62.03, 63.01, 63.03, 63.04, 63.06, 63.08, 63.09 और 65.09 (कुल 12 आइटम).

There are 12 AHR items no: 51, 59, 62.01, 62.02, 62.03, 63.01, 63.03, 63.04, 63.06, 63.08, 63.09 and 65.09 (Total 12 items).

- 3) चौतीस एलआर आइटम हैं नं: 1.02, 1.05, 2, 3, 5, 7, 9.02, 10, 15, 26, 27, 39, 41, 42, 50, 52, 53.02, 53.03, 60, 63.07, 64.01, 64.02, 64.03, 66.02, 69.02, 69.03, 69.04, 69.05, 76.03, 76.04, 76.05, 82.04, 87.01, 89.05 और 90.01. (कुल 35 आइटम).

There are 34 ALR items (1.02, 1.05, 2, 3, 5, 7, 9.02, 10, 15, 26, 27, 39, 41, 42, 50, 52, 53.02, 53.03, 60, 63.07, 64.01, 64.02, 64.03, 66.02, 69.02, 69.03, 69.04, 69.05, 76.03, 76.04, 76.05, 82.04, 87.01, 89.05 and 90.01 Total 35 items).

- 4) संविदा मूल्य समायोजन खंड, अनुशेष सहित निविदा दस्तावेज के स्पेशल टर्म्स अंड कंडिशनस ऑफ कांट्रैक्ट के खंड सं. 26 और जीसीसी के खंड 11.3 के अनुसार लागू होगा.

Contract price adjustment clause will be applicable as per Clause No. 26 of Special Terms and Conditions of Contract of tender document and Clause No.11.3 of GCC with addendum.

- 5) निविदा में निर्धारित नियमों, शर्तों, निबंधनों, विनिर्देशनों और ड्राइंग के अनुसार कड़ाई से और साथ ही उत्कृष्ट कार्यकुशलता से कार्य किया जाएगा। आप हमेशा कार्य में अर्हताप्राप्त अभियंताओं / पर्यवेक्षकों / कर्मचारियों को नियुक्त करेंगे और बनाए रखेंगे। आप संयंत्र स्थल पर ऐसी मशीनें और उपकरण एवं अन्य सामग्रियों को भी लाएंगे जोकि इस कार्य को संतोषजनक पूरा करने के लिए आवश्यक है.

The work shall be carried out strictly in accordance with the terms, conditions, specifications and drawings stipulated in the tender and also in best workmanlike manner. You shall employ and maintain qualified engineers/supervisors/staff in the job at all the 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.

- 6) यह कार्य, मानसून अवधि सहित कार्य प्रारंभ होने की तारीख से **18 (अठारह) महीनों** के भीतर सभी तरह से पूरा किया जाएगा। इस कार्य आदेश के जारी होने की तारीख से 15 दिनों के भीतर ईआईसी द्वारा कार्य प्रारंभ करने की तारीख दी जाएगी। समय ही संविदा का सार होगा और प्रभारी अभियंता द्वारा दिए गए कार्य के अनुमोदित कार्यक्रम/दिशानिर्देशों के अनुसार पूरा किया जाएगा.

The work shall be completed in all respects within **18 (Eighteen) Months** including monsoon period from the date of commencement. The date of commencement shall be communicated by EIC within **15 days** from the date of issue of this work order. The time shall be essence of the contract and the work shall be completed as per approved programme of work / Guidelines given by Engineer-in-Charge (EIC).

- 7) प्राधिकृत प्रतिनिधि: आपसे अनुरोध किया जाता है अधिकृत प्रतिनिधि का नाम सूचित करें जो संविदा से संबंधित सभी मामलों से निपटेगा और एक उचित मूल्य के स्टॉप पेपर पर उसके पक्ष में विधिवत् पावर ऑफ अटॉर्नी निष्पादित किया जाएगा.

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

- 8) संविदा के निष्पादन के दौरान और त्रुटि उत्तरदायित्व अवधि तक, आपकी वजह से तृतीय पक्ष को हुई हानि या क्षति सहित कार्य, संरचना, संपत्ति आदि की हानि/क्षति या विनाश के लिए संबंधित सभी की क्षतिपूर्ति करने के लिए आप पूरी तरह से उत्तरदायी होंगे और प्रभारी अभियंता द्वारा इसका निर्णय किया जाएगा और इस संदर्भ में उनका निर्णय ही अंतिम माना जाएगा.

During the execution of the contract and up to defect liability period, you 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 EIC whose decision in this regard will be final.

- 9) **बीमा:** आपको कार्य पर लगाए गए अपने सभी कामगारों के संबंध में कर्मचारी क्षतिपूर्ति बीमा पॉलिसी और निविदा दस्तावेज के भाग III खंड संख्या 16 के तहत त्रुटि उत्तरदायित्व अवधि तक एनपीसीआईएल के संयुक्त नाम से सम्पूर्ण अनुबंध मूल्य के लिए कांटेक्टर्स ऑल रिस्क (सीएआर) सहित तृतीय पक्ष की देयता को कवर करने के लिए संविदा मूल्य का 10% अधिकतम 50 लाख रुपए की बीमा पॉलिसी भी लेनी है और इस संबंध में दस्तावेज कार्य आरंभ होने से पहले प्रभारी अभियंता को प्रस्तुत किया जाना चाहिए.

Insurance: You are required to take Employee compensation insurance policy in respect of all your workmen engaged in the work and **Contractors All Risk (CAR) insurance policy for the whole contract value inclusive of Third Party Liability for 10 % of contract value** subject to a maximum of ₹ 50 lakhs in the joint name of NPCIL up to defect liability period as per Clause No: 16 of Section: III of Tender document. Documents in this regard should be submitted to Engineer-in-Charge before start of work.

नोट: यदि निविदा में दी गई शर्तों के अनुसार बीमा पॉलिसियों को प्रस्तुत करने में देरी होती है तो बीते हुए समय के यथानुपात आवश्यक प्रिमियम के 2 गुना के बराबर नॉन रिटर्नेबल पेनाल्टी की उगाही की जाएगी। पेनाल्टी की उगाही, ठेकेदार को बीमा या रिस्क कवर करने के उत्तरदायित्व से निरसित नहीं करता। किसी भी प्रकार की क्षति या देय कम्पनसेशन के लिए एनपीसीआईएल जिम्मेदार नहीं होगा। अनुपालन न करने या बार-बार लगातार अनुपालन में अनदेखी करने से कार्यादेश निरस्त कर दिया जाएगा।

Note: In case of delay in submission of insurance policies as per tender condition shall result in levy of non-returnable penalty equivalent to 2 times the Premium required to be paid for the lapse period on pro rata basis. Levy of penalty does not abrogate contractor from his responsibility regarding Insurance and risk cover. NPCIL shall not be liable for or in respect of any damage or compensation payable. The work order is liable for cancellation in case of repeated / continuous non compliance.

- 10) आयकर और वैधानिक उगाही: केंद्रीय/राज्य सरकार द्वारा समय-समय पर कार्य संविदा पर यदि इस कार्य के लिए कोई आयकर, जीएसटी-टीडीएस एवं अन्य वैधानिक उगाही अधिसूचित की जाती है तो उसे आपके चालू बिलों के साथ-साथ इस कार्य के अंतिम बिल से विनिर्धारित तरीके से वसूल किया जाएगा.

Income Tax and statutory Levy: Income Tax, GST-TDS and other statutory Levies, 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.

- 11) **प्रभारी अभियंता:** श्री संजीव, एसओ/डी (एसएमयू) इस कार्य के प्रभारी अभियंता होंगे. आप प्रभारी अभियंता के परामर्श से तुरंत कार्य आरंभ करने के लिए आवश्यक व्यवस्था कर सकते हैं.

Engineer-in-Charge: Shri. Sanjeev, SO/D(SMU) will be Engineer-in-Charge of this work. You may make necessary arrangements for commencing the work immediately in consultation with Engineer-in charge.

- 12) **प्रतिभूति जमा राशि:** आप कृपया नोट करें कि प्रतिभूति जमा राशि रु. **81,01,411/-** (रुपए इक्यासी लाख एक हजार चार सौ ग्यारह केवल) (संविदा मूल्य के 10% की दर से) होगी। अनुसूची-ए के खंड संख्या 9.1.1 के अनुसार त्रुटि देयता अवधि तक प्रतिभूति जमा राशि वैध रहेगी. प्रतिभूति जमा राशि दो बराबर भागों में विभाजित होगी अर्थात निष्पादन गारंटी और प्रतिधारण मुद्रा (प्रतिभूति जमा राशि का 50% प्रत्येक). प्रतिभूति जमा राशि पर कोई ब्याज लागू नहीं होगा.

Security Deposit: You may please note that Security Deposit will be Rs. **81,01,411/-** (Rupees Eighty One Lakhs One Thousand Four Hundred and Eleven Only) (@ 10 % of contract value). It will be valid up to defect liability period as per Clause No.9.1.1 of Schedule-A. Security Deposit will equally split in two parts viz. Performance guarantee and retention money (50% of Security Deposit each). Security Deposit amount will not bear any interest.

- 13) आप श्रम संविदा अधिनियम (विनियमन और उन्मूलन) 1970 के विभिन्न प्रावधानों तथा इस संबंध में समय-समय पर तैयार किए गए नियमों का पालन करेंगे। यदि श्रम संविदा अधिनियम आपके संगठन पर लागू नहीं होता है, तो कार्य आरंभ होने के पहले आप इस कार्य के प्रभारी अभियंता को तदनुसार सूचित करेंगे। इसके अलावा, आप अन्य विधियों जैसे कि कर्मकार क्षतिपूर्ति अधिनियम 1923, न्यूनतम मजदूरी अधिनियम 1948, ई.पी.एफ. और एम.पी. अधिनियम 1952, उपदान (ग्रेच्युटी) अधिनियम, बोनस भुगतान अधिनियम 1965 एवं अन्य श्रम विधि जो भी आप के संगठन पर लागू होते हैं, का अनुपालन करेंगे. यदि एनपीसीआईएल को विभिन्न विधियों के प्रावधानों के तहत प्रमुख नियोक्ता के रूप में किसी भी प्रकार का व्यय उठाना आवश्यक हो, तो एनपीसीआईएल उसे आपसे/ आपके बिलों से वसूलने का हकदार है. निविदा दस्तावेज के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या: 20 का संदर्भ लें.

You shall comply with various provisions of the contract labour (Regulations& Abolition) Act 1970 and rules framed thereon from time to time. In case, the Contract labour Act does not apply to your organization you shall 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. and M.P. Act 1952 Act, Gratuity Act, Payment of Bonus Act, 1965 and other labour laws as applicable to your organization. In case, NPCIL is required to incur any expenses as principal employer under the provisions of the various laws, NPCIL shall be entitled to recover the same from you/your bills refer Clause No: 20 of Special Terms and Conditions of Contract of tender document.

- 14) सभी श्रमिकों को न्यूनतम मजदूरी के अलावा निम्नांकित भुगतान करना अनिवार्य है (निविदा दस्तावेज के स्पेशल टर्म्स अंड कंडिशनस ऑफ कांट्रैक्ट का खंड 17 देखें) और निविदा दस्तावेज के स्पेशल टर्म्स अंड कंडिशनस ऑफ कांट्रैक्ट में निर्दिष्टानुसार वेतन पर्ची भी जारी करेंगे. नॉथ: प्रभारी अभियंता द्वारा ठेकेदार को समय-समय पर दरों में संशोधन के बारे में सूचित किया जाएगा।

- औद्योगिक श्रमिकों के अकुशल, अर्धकुशल, कुशल एवं अत्यधिक कुशल श्रेणी के लिए क्रमशः प्रतिदिन नियत विशेष भत्ता अर्थात रु. 71.95, रु. 73.95, रु. 86.75, रु. 101.75 रहेगा.
- औद्योगिक श्रमिकों की अकुशल, अर्धकुशल, कुशल एवं अत्यधिक कुशल श्रेणी के लिए क्रमशः प्रतिदिन नियत परिवहन भत्ता रु. 17.27, रु. 17.75, रु. 20.82, रु. 24.42 की दर से रहेगा.
- अनुसूचित रोजगार के लिए मासिक न्यूनतम मजदूरी (कार्य अवधि का विचार किए बिना) @ 8.33% मासिक बोनस घटक अथवा रु. 7000/- प्रति माह, जो भी उच्चतम हो। (बोनस के भुगतान के लिए कर्मचारी की योग्यता प्रति माह केवल इक्कीस हजार रुपये (रु. 21,000/-) तक मजदूरी आहरित करने की सीमा है).

It is mandatory to pay the following In addition to the minimum wages to all workers (Refer Clause No: 17 of Special Terms and Conditions of Contract of Tender Document) and you shall issue the Wage slip as indicated in Special Terms and Conditions of Contract of tender document. **Note:** Revision in rates will be communicated to contractor from time to time by EIC.

- Fixed Special allowance i.e. ₹ 71.95, ₹ 73.95, ₹ 86.75, ₹ 101.75 per day for Unskilled, Semi Skilled, Skilled and High Skilled categories of Industrial workers respectively.
- Fixed Transportation allowance @ Rs. 17.27, Rs. 17.75, Rs. 20.82 & Rs. 24.42 per day for Unskilled, Semi-skilled, Skilled and Highly Skilled categories of industrial workers respectively.
- Monthly Bonus component @ 8.33% of monthly minimum wages for the scheduled employment (irrespective of work period) or of ₹ 7000/-per month whichever is higher. (The eligibility of employee for payment of bonus shall be limited to drawing wages up to Rupees Twenty One Thousand only (₹ 21,000/-) per Month).

- 15) ठेकेदार के पास संबंधित ईपीएफ कार्यालय से ईपीएफ पंजीकरण कोड होना चाहिए और वह ईपीएफ और एमपी अधिनियम- 1952 के सभी प्रावधानों का पालन करेगा। (निविदा दस्तावेज के स्पेशल टर्म्स अंड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या 19 का संदर्भ लें).

The contractor shall have EPF registration code from concern EPF office and shall comply with all the provisions of the EPF & MP act – 1952. (Refer Clause No: 19 of Special Terms and Conditions of Contract of tender document).

- 16) **व्यावसायिक कर:** ठेकेदार द्वारा तैनात किए गए अपने कार्मिकों के संबंध में व्यवसायिक कर का भुगतान मोतीचेर ग्राम पंचायत को करना होगा। इस संबंध में निविदा दस्तावेज के स्पेशल टर्म्स अंड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या: 21 का संदर्भ लें.

Professional Tax: Contractor has to make payment of professional tax in respect of their personnel engaged by them to Moticher Gram Panchayat, refer Clause No. 21 of Special Terms and Conditions of Contract of tender document.

- 17) ठेकेदार अपने सभी कार्मिकों को केवल बैंक के माध्यम से उत्तरवर्ती माह की 7 तारीख को या उससे पूर्व समय-समय पर अधिसूचित निर्धारित न्यूनतम मजदूरी का भुगतान करेगा। यदि सभी कामगारों को न्यूनतम मजदूरी का भुगतान उत्तरवर्ती माह की 7 तारीख को या उससे पहले नहीं किया जाता है तो दंड

संलग्नक संवर्ग- IV के अनुसार जुर्माना लगाया जाएगा। मजदूरी भुगतान के अधिनियम के अनुसार मजदूरी के संवितरण के लिए जुर्माना लगाए जाने पर ठेकेदार अपनी जिम्मेदारी से मुक्त नहीं हो जाएगा। एनपीसीआईएल किसी भी देय क्षति अथवा प्रतिपूर्ति के लिए जिम्मेदार नहीं होगा। निविदा दस्तावेज के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट का खंड संख्या: 18 का संदर्भ लें।

The contractor shall make the payment of prescribed minimum wages notified from time to time to all its workmen, on or before 7th of succeeding month through bank only. In case, payment of minimum wages to all workmen is not made on or before 7th of succeeding month, a penalty as mentioned in **Penalty Annexure Category - IV** will be imposed. Levy of penalty does not abrogate the contractor from his responsibility for disbursement of wages as per the Payment of Wages Act. NPCIL shall not be liable for any damage or compensation payable, refer Clause No. 18 of Special Terms and Conditions of Contract of tender document.

- 18) श्रम लाइसेंस प्राप्त करने के लिए आपके अनुरोध पर प्रमुख नियोक्ता का प्रमाण पत्र प्रदान किया जाएगा। कृपया आप ध्यान रखें कि इस कार्य आदेश के जारी होने की तारीख से 14 दिनों के भीतर काम पर तैनात करने के लिए आपके द्वारा अंकित किए गए अधिकतम श्रमिकों के लिए आपको क्षेत्र के सहायक श्रम आयुक्त को श्रम लाइसेंस के लिए आवेदन करना होगा। आवेदन की एक प्रति कार्य के प्रभारी अभियंता को कार्य आरंभ होने के एक सप्ताह के भीतर प्रस्तुत करनी होगी। निविदा दस्तावेज के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या 20 का संदर्भ लें।

Principal Employer's Certificate for obtaining labour license will be provided on your request. 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 EIC of the work within a week time from start of work, refer Clause No: 20 of Special Terms and Conditions of Contract of tender document.

- 19) पहले आर ए बिल का भुगतान केवल श्रम लाइसेंस रसीद / श्रम लाइसेंस (यदि लागू हो), पैन कार्ड जीएसटीआईएन पंजीकरण संख्या की प्रतिलिपि, ईपीएफ पंजीकरण संख्या की प्रतिलिपि और ईसीएस भुगतान के लिए बैंक खाते के विवरण प्रस्तुत करने पर किया जाएगा।

The first running account bill will be paid only on production of Labour license receipt/ Labour license (if applicable), copy of PAN card, copy of EPF registration No., copy of GSTIN Registration No. and bank account details for ECS payment.

- 20) आपसे अनुरोध है कि अनुबंध पर हस्ताक्षर करने के लिए सी&एमएम-वर्क्स कार्यालय में उपस्थित रहें। औपचारिक करार निष्पादित होने तक कागजातों के साथ मूल निविदा संदर्भाधीन रहेगी और यह कार्य आदेश हमारे बीच एक बाध्यकारी संविदा के रूप में रहेगी। निविदा दस्तावेज के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या: 24 का संदर्भ लें।

You are requested to attend the C&MM-Works office for signing the agreement. 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 as per Clause No. 24 of Special Terms and Conditions of Contract of tender document.

- 21) **पेनाल्टी (जुर्माना):** पेनाल्टी (जुर्माना) यदि कोई हो तो संविदा के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट के अनुसार लागू होगी.

Penalty: Penalty, if any, will be levied as per Penalty Annexure of Special Terms and Conditions of Contract of tender document.

- 22) निविदा दस्तावेज के स्पेशल टर्म्स अँड कंडिशनस ऑफ कांट्रैक्ट के खंड संख्या: 9 और 10 में निर्दिष्ट सभी सुरक्षा सावधानियों का पालन किया जाना चाहिए, ऐसा न करने पर संबंधित खंड के अनुसार जुर्माना किया जा सकता है.

All safety precautions as specified in Clause Nos. 9 & 10 of Special Terms and Conditions of Contract of tender document need to be followed, failing which shall attract the penalty as per respective clause.

- 23) अन्य सभी नियम और शर्तें जीसीसी, निविदा की विशेष शर्त (एससीसी) और निविदा दस्तावेज के अनुसार होंगी.

All other terms and conditions will be as per GCC, Special Condition of Contract (SCC) and tender document.

कृपया इस कार्य आदेश प्राप्ति की सूचना दें एवं करार तैयार करने के लिए ₹ 300/- के स्टाम्प पेपर के साथ इसकी स्वीकृति और रिपोर्ट तुरंत सी&एमएम-वर्क्स कार्यालय में प्रस्तुत करें.

Kindly acknowledge receipt of this Work Order, submit its acceptance and report immediately at C&MM-Works Office with **stamp paper of Rs. 300/-** for agreement preparation.

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,

(राम मूरत राम Ram Murat Ram)
उप महाप्रबंधक(प्रभारी)(संविदा एवं सामग्री प्रबंधन),
DGM(In-Charge)
(Contract and Material Management),
एनपीसीआईएल के लिए और ओर से
For and on behalf of the NPCIL.

संलग्नक: मात्रा और दरों की अनुसूची

Encl: Schedule of quantities and rates

प्रति : Copy to: -

By E-Mail: Site Director (Kakrapar Guj. Site) / SD, KAPS-1&2 / CS, KAPS-1&2/ MS, KAPS-1&2 /VO (Kakrapar Guj. Site) / GM (F&A) /Head(HR) /AGM(C&MM)/ OIC(SMU), KAPS-1&2 / DGM(In-Charge) C&MM - with SOQR.	
By E-Mail: Sh. Sanjeev, SO/D(SMU), Th. DGM(C&MM)- with SOQR, CST, Award of work approval & TS.	
Manager (F&A) Works with CST, Award of work approval & TS, Schedule A,B &C, GST No, PAN No, Annexure-7.	
SM (HR – ER) – Without SOQR	
Regional Labour Commissioner (Central). - Without SOQR Chandraprabha Flats, No.2 krishna Nagar Society, Opposite Motibaug, Nr. Dhaibar Society, BARODA-390001	
Labour Enforcement Officer (Central), - Without SOQR Chandraprabha Flats, No.2 krishna Nagar Society, Opposite Motibaug, Nr. Dhaibar Society, BARODA-390001	
Original File copy –With SOQR	Head (CTC) / WO Master Copy - With SOQR

NUCLEAR POWER CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

Kakarpar Gujarat Site

Schedule Of Quantities And Rates



Print Date: 22-Jan-2026

Agency Name : CIVILIS INFRA

Manas Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1 - 2/SMU/CAP/2026/WO/90249

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
Schedule : SMU:NA							
Note: The bid price / rates / total bid price quoted shall be inclusive of all statutory liabilities, taxes, cess, duties, levies as applicable under the prevailing statutes or levy by the statutory authorities/State/Central Government and payable by the bidder under the contract.							
CIVIL - SITE DEVELOPMENT (PART - A) - Dismantling carefully existing structure of following items in at all levels, including stacking serviceable materials and disposing of unserviceable materials within a lead of 1.5 km or spreading the debris as mentioned by engineer. Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge. Note: - 1. Required steel scaffolding materials are in the scope of contractor. 2. Contractor shall provide only steel scaffolding i.e H-frame or Cup-lock system and follow safety officer instruction during course of work. 3. All re-usable material from dismantling shall be deposited in CMM store or as directed by engineer in charge							
1.01	Dismantling of False ceiling (aluminium / PVC / fibre / Gypsum) with all accessories, Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	SqM	650	40.00	-	-	26,000.00
1.02	Dismantling of Doors, windows and ventilators made of steel / wooden / aluminium with shutter including cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	SqM	120	350.00	-	-	42,000.00
1.03	Dismantling of AC corrugated roofing sheets including ridge and J- bolts, Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	SqM	950	70.00	-	-	66,500.00
1.04	Dismantling the existing steel structures of various sections such as trusses rafters, purlins, members, angles, plates, channels, I or T section, pipes etc, Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	MT	10	5,500.00	-	-	55,000.00
1.05	Dismantling of Plastered brick masonry, Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	Cum	950	2,500.00	-	-	23,75,000.00



Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1- 2/SMU/CAP/2026WO/90249

Agency Name : CIVILIS INFRA

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
1.06	Dismantling of Plain cement concrete. Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	CuM	80	2,500.00	-	-	2,00,000.00
			Rupees Two Thousand Five Hundreds Only				
1.07	Dismantling of Reinforced cement concrete. Item includes cost of labour, erection and de-erection of scaffolding, tools & tackles, loading, transportation, unloading etc. all complete as directed by engineer in charge.	CuM	50	3,200.00	-	-	1,60,000.00
			Rupees Three Thousand Two Hundreds Only				
2	Surface dressing of the ground including removing of rank vegetation, bushes, shrubs, saplings, trees, stem of cut trees etc. including stacking of serviceable material and disposing unserviceable material within a lead of 1 km including removing and disposing top organic soil not exceeding 150 mm by manual / mechanical means.	SqM	1250	100.00	-	-	1,25,000.00
			Rupees One Hundreds Only				
3	Earth work in excavation in all types of soils, mixture of gravel and soft soil/disintegrated rock other than hard up to a depth of 3.5 meter from existing ground level and all as per specification for foundations, trenches, inspection chambers, sewer lines buried pipe lines, area grading, for walkways, foundations of wall & post, pits etc. including removal of roots, stones, stone chips, concrete debris, etc. with help of machinery or manually. The cost of work includes labour, tools and tackles, machinery and equipment's, disposal of surplus soil / good soil in garden premises / debris up to a lead of 1.5 Km as directed by the engineer.	CuM	4000	180.00	-	-	7,20,000.00
			Rupees One Hundreds Eighty Only				
4	Earth work in excavation in Hard Rock without blasting but with chiseling for foundations, Plinth beams, trenches or drains, pipe lines, inspection Chambers etc. including shoring and strutting wherever required, bailing and pumping out of water, leveling the bottom of excavation, disposal and leveling of surplus material at places as directed within a lead of 1.5KM all as per specifications and directions of the Engineer in charge. Note: 1. Volume of Rock Excavated shall be measured and Paid after deducting 50 % for voids.	CuM	100	1,500.00	-	-	1,50,000.00
			Rupees One Thousand Five Hundreds Only				
5	Providing and laying of granular sub-base (GSB-II) using close graded material conforming to specifications including mixing in a mechanical mix plant / manually, carriage of mixed material by tippers to work site for all leads & lifts, spreading in uniform layers of specified thickness as directed by Engineer with mechanical equipment / manually to be laid on prepared surface and compacting with hand roller / manually as per site conditions to achieve good compaction, complete as per specifications and directions of Engineer-in-Charge. Note:-Actual consolidated volume of GSB-II will measured and paid in CuM.	CuM	650	1,100.00	-	-	7,15,000.00
			Rupees One Thousand One Hundreds Only				
6	Supplying, transporting and lying of yellow soil / murrum at site from approved source as instructed by engineer-in-charge for various civil activities like filling in foundation, plinth and leveling of low ground profile area. Item includes cost of excavation of soil, labour, tools and tackles, loading, transportation, unloading, taxes, laying, consolidation, watering etc. complete as directed by engineer. Note: 1) Net quantity of yellow soil / murrum measured in stacks will be reduced by 20% for payment. 2) Thickness of layers for filling will be as directed by Engineer in charge.	CuM	1000	650.00	-	-	6,50,000.00
			Rupees Six Hundreds Fifty Only				



Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1 - 2/SMU/CAP/2026/WO/90249

Agency Name : CIVILIS INFRA

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
7	Filling selected material (soil/murram) obtained from excavation of foundations, trenches etc. in plinth upto lead of 200 m, layers of not more than 200 mm thick, each layer well rammed, watered and consolidated as per specifications and directions of Engineer. (Note:- Item include cost of transport, filling, consolidation and watering etc. complete.)	CuM	3200	180.00	-	-	5,76,000.00
				Rupees One Hundred Eighty Only			
8	Supplying, Transporting and filling in plinth, foundation, under floors, below paver blocks etc. with screened river sand with all cost of leads and in layers not more than 150mm thick each layer well rammed, watering, consolidating, dressing etc. Item includes cost of materials, loading, transportation, and unloading, labour, spreading, watering, compaction by hand / power roller etc. complete as per specifications and as directed by engineer in charge.	CuM	120	1,800.00	-	-	2,16,000.00
				Rupees One Thousand Eight Hundred Eighty Only			
9	Supplying and applying anti-termite treatment with Chlorpyrifos 20% EC chemical of make "Classic 20" or "Radar 20" or any other I.S.I. Mark as approved by Engineer.						-
9.01	Supplying Chlorpyrifos 20% EC chemical of make "Classic 20" or "Radar 20" or any other I.S.I. Marked make as approved by Engineer. Note:- 1) Actual quantity brought at site will be measured and paid. Contractor has to submit mandatorily challan/bill copy/ gate passes related to entry of material at site for payment purpose.	Ltr	700	340.00	-	-	2,38,000.00
				Rupees Three Hundred Forty Only			
9.02	Providing anti-termite treatment with 1% aqueous emulsion of Chlorpyrifos 20% EC for bottom and sides of foundation and trenches, top surface of filled up soil inside plinth, external perimeter of building, the junctions of walls and floors, open ground etc. using chemical emulsion at the rate of 1 litre per hole, 300 mm apart including drilling holes and plugging with cement mortar 1:2 as per the manufacturer's specification at the location shown by engineer Note:- 1) To make the 1% aqueous emulsion, add 19 litres of water in one liter of chlorpyrifos 20% EC or as per manufacturer specifications. 2) Plinth area of the building will be considered for payment purpose. 3) The work shall be carried out by specialized agency.	SqM	1200	120.00	-	-	1,44,000.00
				Rupees One Hundred Twenty Only			
10	CONCRETE WORK - Providing and laying damp proof course at plinth level with 25mm thick cement concrete 1:2:4 using 10mm size aggregate, painted on top with a coat of bitumen of grade 80 / 100 at the rate of 1.70 Kg. / Sqm. Item includes cost of labour, materials, consolidation, formwork, finishing, curing and required tools and tackels etc. all complete as per specification and as directed by engineer in charge.	SqM	100	450.00	-	-	45,000.00
				Rupees Four Hundred Fifty Only			
11	Providing and laying Plain cement concrete-PCC (in-situ) of grade M10 including formwork, scaffolding, mechanical mixing, machine batched including transporting, placing at all elevations, vibrating, consolidating, curing and finishing smooth all exposed faces for all in situ items at all levels & shapes as per drawings and specifications and as directed by Engineer. (The rate quoted shall be exclusive of reinforcement) NOTE: (i) Design Mix shall be obtained from NABL/Govt. approved Concrete Testing Laboratory. (The item included cost of development of Design Mix) Minimum cement content shall be as per IS: 456)	CuM	350	6,000.00	-	-	21,00,000.00
				Rupees Six Thousand Only			



Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1- 2/SMU/CAP/2026/WO/90249

Agency Name : CIVILIS INFRA

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
					Rate in Words		
12	Developing, Providing and casting in situ RCC design mix, using max. size 20 mm graded aggregate of M-30 grade cement concrete including form work, scaffolding, mechanical mixing, machine batched including transporting, placing at all elevations, vibrating, consolidating, curing and finishing smooth all exposed faces for all in situ items at all levels & shapes as per drawings and specifications and as directed by Engineer. (The rate quoted shall be exclusive of reinforcement but inclusive of formwork) NOTE: (i) Design Mix shall be obtained from NABL/Govt approved Concrete Testing Laboratory. (The item included cost of development of Design Mix) Minimum cement content shall be as per IS: 456)	CuM	1500	9,500.00	-	-	1,42,50,000.00
			Rupees Nine Thousand Five Hundreds Only				
13	Providing, straightening, necessary bending according to drawing, cutting, binding and fixing in position steel reinforcement TMT bars of Fe-500/Fe 500D/Fe 550D grade steel conforming to IS:1786 -2007 make of TATA / SAIL / VIZAG / JINDAL and tying with approved annealed binding wire of 1.6mm dia in all reinforced cement concrete work at all lifts, including cost of supplying and fixing the spacer/cover blocks (As per Drawing) in cement mortar 1:2 and binding wire complete all as per specification and as directed by Engineer-in-Charge at all lifts. Note: 1. The rate shall include the cost of reinforcement steel. The reinforcement steel shall be supplied with test certificate and approved by the department. 2. Chairs, spacers, supports and approved laps which are embedded in the concrete shall be measured and paid under this item. Reinforcement steel used for formwork and its supports shall not be paid.	MT	250	85,000.00	-	-	2,12,50,000.00
			Rupees Eighty Five Thousand Only				
14	Masonry works - Providing and constructing brick masonry using well burnt table moulded bricks in cement mortar 1:6 including cost of scaffolding, curing, racking out joints at all levels (including below foundation up to plinth and super structure above plinth at all elevations), tools and tackles, materials, labours etc. Item includes cost of materials, loading, transportation, unloading, labour, erection and removal of steel scaffolding, tools and tackles etc. complete as per drawing, specifications and as directed by engineer in charge.	CuM	250	7,000.00	-	-	17,50,000.00
			Rupees Seven Thousand Only				
15	Providing and constructing 115 mm thick masonry in cement sand mortar (1:4) for all partition walls for all elevations using well burnt table moulded bricks by providing 2 nos. 6mm MS bar at every fourth layer including cost of materials, MS bars, mixing, scaffolding, raking out joints, curing etc. Item includes cost of materials, loading, transportation, unloading, labour, erection and removal of scaffolding, tools and tackles etc. complete as per drawing, specifications and directed by engineer in charge.	SqM	60	900.00	-	-	54,000.00
			Rupees Nine Hundreds Only				
16	Plastering - Providing plain plaster 20mm thick, in two coats, over exterior masonry and concrete surfaces at all heights with base coat 12mm thick in cement mortar 1:4 & 8 mm thick finished coat in cement mortar 1:3, final rendering, double scaffolding wherever necessary, close hacking of concrete surfaces, scaffolding, curing, tools, labour etc. and addition of approved waterproofing compound @ 2% by weight of cement or as specified by manufacturer for base coat etc. including making 15 mm wide 8 mm deep groove at junctions of masonry with beams & columns and also providing drip course at various elevations to parapet, chajja/ canopy over window, door heads etc all complete as per drawing, specification or as directed by the Engineer.	SqM	1200	450.00	-	-	5,40,000.00
			Rupees Four Hundreds Fifty Only				
17	Providing and laying 15 mm thick cement sand 1:4 (by volume) neat finish plaster to interior masonry/ concrete surfaces of walls, columns, etc. at all elevations including scaffolding, chipping of concrete surface, mixing, laying, finishing, curing, all materials, labour, tools etc. all complete as per drawing, specification or as directed by the Engineer.	SqM	2000	325.00	-	-	6,50,000.00
			Rupees Three Hundreds Twenty Five Only				



Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1 - 2/SMU/CAP/2026/WO/90249

Agency Name : CIVILIS INFRA

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
18	Providing and laying minimum 20 mm thick 1:4 cement sand plaster with approved waterproofing compound @ 2% by weight of cement or as specified by manufacturer in foundation and plinth at all depths/levels including mixing, laying, finishing, curing, materials, labour, tools etc. all complete as per drawing, specification or as directed by the Engineer.	SqM	1000	380.00	-	-	3,80,000.00
				Rupees Three Hundreds Eighty Only			
19	Flooring - Providing and laying premium quality polished vitrified tiles (Including Skirting and Dedo when required) of size 600mm x 600mm of approved make and shade, conforming to IS: 15622 having minimum thickness of 9 mm in approved pattern over and including 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding, close jointed & pointed with matching pigmented white cement slurry and finished to levels / slope as required including cutting of tiles, curing, washing etc. complete with all materials, tools labour etc. all complete as per specifications and as directed by the Engineer. Note: The quoted rates shall include the provision for covering of floor tiles with PVC sheet over it to protect the tiles laid from painting stains and scratches during various finishing activities.	SqM	600	1,350.00	-	-	8,10,000.00
				Rupees One Thousand Three Hundreds Fifty Only			
20	Providing and fixing antistatic vinyl flooring (Including Skirting and Dedo when required) 2mm thick, 3 layer products, with performance characteristics as per standard code form brand of KRISHNA / ROYAL / MARVEL or approved brand as per standard of specified shade, approved pattern and design for flooring / skirting on existing floor / plastered surfaces with suitable adhesive as per manufacturer's specifications, closed jointed/ welding of joints and finished to proper line, level and plumb. Item includes cost of materials, cutting and wastages of antistatic flooring sheet, removing of existing of flooring, cleaning and removing previously applied adhesive, loading and unloading, transportation, tools and tackles, labours, etc. complete as per manufacturer's specifications and as directed by engineer in charge. Notes: (1) Material should be having anti-static resistance of over 5 x 10^4 ohms and less than 10^8 ohms. (2) The rate quoted shall be for the clear visible area only. No extra payment will be made for laps, wastage etc. (3) The rolled form of PVC flooring / skirting required entire quantity shall be purchased and brought to site before commencing work. (4) Removal and disposal of existing flooring are in contractors scope wherever required.	SqM	500	3,500.00	-	-	17,50,000.00
				Rupees Three Thousand Five Hundreds Only			
21	Painting - Supplying and applying 02 (two) coats of Acrylic Emulsion paint over a coat of compatible primer to give an even shade of approved brand and shade from Berger Paints Bison Super Emulsion/Asian Paints Tractor Emulsion / Nerolac Acrylic Emulsion / ICI Maxilite Acrylic Emulsion over on all internal surfaces of walls / ceilings in rooms of buildings at all heights. Item includes preparing the surface by removing complete loose paints from existing surfaces by scrapers /electrical driven angle grinder machines and rectifying those areas by applying primer and readymade acrylic putty compatible to paint as suggested by manufacture to make levelled surface before applying emulsion paint, filling the cracks and making good damaged & rough surfaces to smooth, minor repairs, sealing of cracks with readymade Acrylic crack free putty from paint manufacturer. Item includes cost of paints, brushes, acrylic putty, wire brushes, sand papers masking tapes / paper tapes (used in painting work for avoiding extra unwanted areas), labours, tools and tackles, providing and erection of steel scaffolding, safety accessories for personals, shifting & replacing (after completion of painting work) in position all types of office furnitures. Cleaning of doors, windows, ventilators, floors, equipments, pipe lines, structure etc. after completion of work. Work is to be carried out as directed by the Engineer in charge.	SqM	3000	150.00	-	-	4,50,000.00
				Rupees One Hundreds Fifty Only			



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
					Rate in Words		
22	Supplying and applying total 03 (three coats) a coat of primer (compiatable to exterior paint supplied) and two coats of exterior emulsion paint from APEX ultima of Asian Paints / Weather coat all guard from BERGER / Excel total from Nerolac paint to the external surfaces consisting of rough cast / sand faced / plain plastered surfaces of single storied / multi storied buildings located at KAPS-1&2 plantsite outside operating island at all heights. Item includes preparing the surface by removing of all loose paints, dirt and dusts, cleaning of surface, filling / sealing of cracks up to 3mm by crack seal / putty as specified by paint manufacturer, making good the damaged & rough surfaces smooth, minor repairs, other major cracks sealing with Birla white cement / JK white cement crack free putty, cement slurry / cement mortar, cleaning of doors, windows, ventilators, glasses etc. after completion of work. Item includes cost of brushes, wire brushes, sand papers, cleaning accessories, labour, tools and tackles; transportation, loading, unloading of materials at KAPS plant site, providing and erection of steel scaffolding of cup-lock system / H - frame, personnel safety of all workers with required PPE accessories etc., complete as directed by the Engineer in charge.	Sqm	1200	250.00	-	Rupees Two Hundredrs Fifty Only	3,00,000.00
23	STEEL WORK - Providing and fabricating of various types of steel structural members for Embedded parts,ladders, platforms, toe guards, columns etc. using M.S. angles, M.S. channels, ISMBs, Tees, Square / rectangle / round hollow pipes, Square bars, plates, flats etc., from manufacturers like TATA / SAIL / VIZAG / JINDAL including cutting, bending, welding and testing of welds as per NPCIL specifications PC-E-160, complete as per drawings, specifications and as directed by Engineer.	MT	3	95,000.00	-	Rupees Ninety Five Thousand Only	2,85,000.00
23.01	Carbon steel Eps	MT	18	92,000.00	-	Rupees Ninety Two Thousand Only	16,56,000.00
23.02	Mild Steel Eps	MT	21	25,000.00	-	Rupees Twenty Five Thousand Only	5,25,000.00
24	Installing and embedding in position pre-fabricated CS & MS embedded parts of all the material grades including welding and testing of welds if required, including painting of two coats of synthetic enamel over a coat of metal primer, all complete as per drawing, NPCIL specifications PC-E-160 and as directed by the Engineer.	Kg	2700	670.00	-	Rupees Six Hundredrs Seventy Only	18,09,000.00
25	Providing and fixing SS grade 304, stainless steel handrail brush finish 50mm dia 16 gauge thick With machine bended edges for snap fitting including stainless steel balusters and shoes, providing and fixing with hand rail support using SS flat of approved shape and size with necessary fixing arrangement all complete as per specifications and direction of Engineer in charge. Hand railing design & drawing shall be submitted by the contracting agency for approval of the Engineer in charge.						



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
26	Construction of inspection chamber of size 900 x 600 mm clear dimension internally with 230 mm tk brick masonry using stock bricks in CM 1:5 including 12 mm thick inside (to be made smooth with floating coat of neat cement) and out side (Trowel finish) plastering in CM 1:3, including excavation in all type of soil, back filling, providing and laying bad concrete 150 mm thick and having 150 mm projection in all four sides in PCC 1:4:8, forming benching and channel in PCC 1:2:4 (in both PCC 20 mm size hard granite broken stone to be used), finishing smooth, curing, fixing CI / Concrete / GRP / FRP / Composite Manhole covers and steps etc. complete up to half meter depth. Note: 1. Good quality eco friendly bricks will be preferred. 2. CI / Concrete / GRP / FRP / Composite Manhole covers will be paid under relevant item.	Each	4	12,000.00 Rupees Twelve Thousand Only	-	-	48,000.00
27	Supplying and fixing 600 mm x 900 mm Rectangular HD (5T) air tight GRP / Composite man hole frame and cover of approved colour & design of EVERLAST / Endura. Note: Cover shall be fixed on Inspection chamber	Each	4	18,000.00 Rupees Eighteen Thousand Only	-	-	72,000.00
28	ALUMINIUM WORK - Providing and fixing in position at all floors heavy quality anodised aluminium sections for windows, sliding windows, doors, ventilators, partitions, aluminium grill of 3mm thick in 50mm X 50mm square etc. for various spans excluding glazing with standard extruded aluminium sections of Jindal / Jindal / Hindalco etc. with size as required for frames and shutters conforming to relevant IS specifications, with necessary accessories, such as rowel plugs, brass cadmium plated screws, mastic filling, weather strips, nuts, washers etc. The window / doors Aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically wherever required. The sliding shutters with specified rollers and shutters with top / bottom hung shall be provided with required accessories if any for sliding in the tracks or special hinges for any hung position with locking arrangements, stoppers and handles if required as per site requirement, the cost of these items shall be included in the rate. The aluminium frame consisting of sliding tracks as per site requirement and frame is to be fixed with RCC / Masonry column with suitable sizes of screws with rawl plugs, (all fittings should be anodised) including all labours, materials, scaffolding, transport, tools and plants, joint filler compound for closing gaps between aluminium sections and existing surfaces of plaster etc. complete as directed by E.I.C. Payment will be made on the basis of weight of anodised aluminium frames / shutter members actually installed in position without any extra allowance for wastage, other non-aluminium accessories will not be considered for payment. Glazing will be measured and paid separately under relevant item.	Kg	1350	650.00 Rupees Six Hundreds Fifty Only	-	-	8,77,500.00
29	Supply and fixing of heavy anodised Aluminium Louvers of 3mm thick with standard extruded aluminium sections of Jindal / Jindal / Hindalco etc. with size as required conforming to relevant IS specifications, with a flanged frame and continuous blade section with Louver blades at an internal angle of 45 degrees with Non-Insulated Blank Off Panels factory installed with removable screws and foam tape gaskets of 1 mm aluminium sheet with necessary accessories, to be fixed with RCC / Masonry column (all fittings should be anodised) including all labours, materials, scaffolding, transport, tools and plants, joint filler compound for closing gaps between aluminium sections and existing surfaces of plaster etc. complete as directed by E.I.C. Payment will be made on the basis of weight of anodised aluminium members actually installed in position without any extra allowance for wastage, other non-aluminium accessories will not be considered for payment.	Kg	150	670.00 Rupees Six Hundreds Seventy Only	-	-	1,00,500.00



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
							Rate in Words
30	Other allied works - Providing, transporting and fixing of Linear false ceiling of CONWED/HYPERSIL make of 84R panels made of 0.4 mm Aluminium-TCT and powder coated suspended on inter locking metal carrier with suitably spaced joints to get required length and spacing in true horizontal level and flush cap to be inserted in the gap between two panels as specified by manufacturer including cutting, making opening for services like light fittings, fixtures, smoke detectors etc. and securely fixed to structural soffit with 2mm GI wires with approved level clips, roof plug, level adjuster and screws. Cost includes tools and tackles, labours, scaffolding etc. complete as specified by manufacturer and as directed by engineer in charge.	SqM	1000	3,200.00	-	-	32,00,000.00
				Rupees Three Thousand Two Hundreds Only			
31	Providing and laying Atactic Polypropylene Polymer (APP) modified 4mm thick water proofing membrane, black finished, reinforced with non-woven polyester matt of Bitumen Co. Ltd. / Suprema / Chemistic / General / Membranes / Tamka / Dr. Fixit / Asian paints / MAPEI. Apply a coat of compatible bitumen primer specified by manufacturer for fixing APP sheets. Pasting of APP sheets is to be carried out by using Butane Torch including sealing all joints and preparing parent surface to the satisfaction of engineer before application of primer etc. After conducting leak tightness test and approved by EIC then applied 02 (two) coats of aluminium paint through from Berger paints/ Asian paints as directed by Engineer In Charge. Note: The quoted rate shall include maintaining effectiveness of water proofing system and roof insulation supplied for a period of 10 years from the date of acceptance of these systems by NPCIL and submission of bank guarantee of 10% of the amount of work executed under this item.	SqM	1000	1,200.00	-	-	12,00,000.00
				Rupees One Thousand Two Hundreds Only			
32	Providing and laying 80mm thick High strength Interlocking paver blocks of VYARA TILES make in approved colour and finish and as per detailed specifications, Compressive Strength- 400 kg/cm2, conforming to requirements of Standard: IS code, with shot blasting coating, approved colour, design and pattern for footpath of required sizes / shape, made by vibro press method using steel mould, laid in required colour & pattern with line and level as decided by engineer in charge with average cement mortar bedding of 20 mm thick in 1:4 grade with cement slurry @ 2.2 kg / SqM. Finer sand is to be use for joint filling of paver blocks. Lying of paver blocks should be completed by proper cutting of blocks where required, compacting by suitable vibrating machine and cleaning of bedding and jointing sand. Cost including materials, loading & unloading, transportation, labour, tools & tackles etc. complete all as per direction of Engineer-in-Charge.	SqM	250	1,200.00	-	-	3,00,000.00
				Rupees One Thousand Two Hundreds Only			
33	Hiring of 10 H. P. Electrical Pump For Dewatering, Item Includes pipes, Electrical Cable, Extension board, operator, tools and Tackles etc. Note: (1)Electric Supply will be provided by department free of cost. (2) Repairing and Maintenance of pump will under contractor scope.	Hour	250	225.00	-	-	56,250.00
				Rupees Two Hundreds Twenty Five Only			
34	Providing and fixing new fly /mosquito proof stainless steel wire mesh in existing or new doors / windows / ventilators / openings etc. made up of aluminium sections of SS-304 at all levels with average width of aperture 1.13 mm in both directions with wire of dia. 0.4572 mm and overall thickness of 0.9144mm, weight around 1.70 Kg/SqM in aluminium framed sections. NOTE - 1. Actual area of wire mesh provided in aluminium sections / wooded section / steel section will be measured and paid. 2. Contractor has to submit sample to EIC for approval before procurement. 3. Aluminium section / wooden section / steel section used for fixing wire mesh will be measured separately and paid under relevant item.	SqM	50	1,200.00	-	-	60,000.00
				Rupees One Thousand Two Hundreds Only			



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				Rate in Words			
35	Providing and fixing 30mm thick factory made PVC door shutter "SINTEX" / "KAKA PVC" make made of styles and rails of a PVC hollow section of size 80mm x 30mm or 100mm X 30mm and have standard wall thickness of minimum 1.0mm with inbuilt decorative moulding edging on one side to the existing door frames. The styles and rails mitred and jointed at the corners by means of plastic / G.I brackets of size and thickness as specified by manufacturer to provide better joinery with stainless steel screws. The lock rail (middle section) made up of PVC hollow section of desired size by manufacturer for holding shutter panels and has standard wall thickness specified by manufacturer and fixed to the shutter styles. The shutter frame should have filled with a PVC multi-chambered single panel and having overall thickness of 20mm and have specified wall thickness 0.8mm to 1mm. Cost includes towards labour, tools & tackles, fittings and fixtures, transportation, materials etc. complete as per manufacturers specifications and direction of Engineer-in-charge. Note- 1) One sample of door with all fittings and fixtures along with locking arrangement etc. complete as per schedule of quantities and specifications should be submitted for the approval of the Engineer-in-Charge for preliminary inspection before procurement on large scale for the approval of the Engineer-in-Charge. 2) After the preliminary inspection, the manufacturing of doors should be taken up only after rectification of defects etc. to the full satisfaction of the department and after obtaining formal approval. 3) List of fittings and fixtures (i) 02 Nos. Aluminium "D" handles of size 100 mm with screws (ii) 01 No. Aluminium aldrip 150mm long with all fittings and screws (iii) 01 No. Aluminium tower bolt 100 mm long with screws	SqM	10	3,900.00	-	-	39,000.00
			Rupees Three Thousand Nine Hundreds Only				
36	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top and bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. For fixing require door fitting all complete as per direction of Engineer In Charge.(Door handles, Lock and Stopper etc. to be saperately)	SqM	30	12,000.00	-	-	3,60,000.00
36.01	Double Leaf Glass Door			Rupees Twelve Thousand Only			
36.02	Single Leaf Glass Door	SqM	15	8,000.00	-	-	1,20,000.00
			Rupees Eight Thousand Only				
37	Supplying, transporting, assembling erecting / fixing complete set of 3 hours Fire rate door shutters with frames of different sizes with or without transom, single / double leaf galvanized MS pressed steel flush doors 60 mm thick using metal sheet of 1.5 mm thick and frame size shall be of 150 x 95 mm with metal sheet of 2 mm thickness at all elevations as per latest version of IS 3614, Part 2 satisfying all 3 criteria (Stability, Integrity and Insulation), with or without removable panels, using galvanised MS sheets for frames and leaves, reinforcing and insulating the shutters with fire retardant like mineral wool / PUF material, grouting the frame etc. as mentioned scope of work in Technical specification of this tender document.	SqM	10	30,000.00	-	-	3,00,000.00
			Rupees Thirty Thousand Only				



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
					Rate in Words		
38	Providing and fixing ISI marked 35mm thick flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched with 3mm thick waterproof ply on both faces of shutters bonded with phenol formaldehyde synthetic resin including cost of materials, labours, transportation, all fixtures and fitting should be from Stainless steel like 16mm Dia. Aldrop of 300mm long - 01(one) No., 150mm D handles 02(two) Nos., heavy duty Door closer 01 (one)no., 150mm long stopper 01(one) No., 200mm long Stopper, 01(one) No. floor stopper with rubber, 04(four) Nos. 150 mm long hinges with SS screw of required sizes to hold the door firmly with frame and with/without vision panel of size 200x300mm as per drawing, specifications and directed by engineer in charge. Note: 1.Flush door shall be of Century ply / Gujcon / Anchor/ Green ply / Supreme industries and have Borer and Boiling water proof conforming to IS: 2202 Part: I.	SqM	30	4,000.00	-	Rupees Four Thousand Only	1,20,000.00
39	Providing and fixing in position special selected quality clear sheet glass of 5mm (+/- 0.2mm) thickness of Saint Gobain / Modi make , fixed to window frames, partitions and doors at all levels fixed with two way PVC lining / rubber gasketing to ensure water and air tightness and EPDM Gasket cushioner accommodated in grooves etc. all complete as directed by the Engineer-in-charge.	SqM	380	1,400.00	-	Rupees One Thousand Four Hundreds Only	5,32,000.00
40	Providing and laying one side polished, 18 mm (+/-2) mm thick natural Granite stone slabs of approved pattern from Jet Black, Cherry Red, Elite Brown, Cat Eye or other approved suit to site condition for flooring / dado / skirting in linear as well as curvilinear portions of the building fixed with araldite / Bondtite or other equivalent adhesive including levelling with bedding of 20mm thick cement mortar 1:4, rubbing, polishing etc. completes as per specifications and approved by engineer.	SqM	140	4,200.00	-	Rupees Four Thousand Two Hundreds Only	5,88,000.00
41	Sanitary & Plumbing: Providing and fixing in position approved white glazed vitreous Orissa pan water closet of size 580mm X 440mm with a tolerance limit of +/-50 mm in length side and +/- 25mm in width side of Parryware / CERA / Hind Ware / Jaquar / kajaria / varmora / simpolo including white glazed vitreous china ware "p" or "S" trap of same brand, joining the pipe with soil pipe in C.M. 1:1 making hole in masonry, reconstructing the same, encasing the pan and trap in brick jelly C:C 1:2:4, breaking of tiles and back filling extra space with river sand and fixing the tiles over cement sand mortar etc. complete all as per specifications and as approved by engineer. Note: Tiles fixing will be paid in relevant items.	EACH	2	4,500.00	-	Rupees Four Thousand Five Hundreds Only	9,000.00
42	Providing & fixing white glazed vitreous Flat back china urinal pan of size around 375mm x 390mm x 590mm (with a tolerance of +/- 25mm in all sides) from Parryware / CERA / Hind Ware / Jaquar / kajaria / varmora / simpolo or approved brand including all accessories like inlet connection, waste coupling etc, and fixing with S.S. coach screws/brackets and finishing with white cement.	EACH	8	7,100.00	-	Rupees Seven Thousand One Hundreds Only	56,800.00
43	Providing and fixing in position approved 1st class quality vitreous low level standard size European type water closet (universal / concealed) from Parryware / CERA / Hind Ware / Jaquar / kajaria / varmora / simpolo or approved brand wash down type pan with "S" / "P" trap conforming to relevant IS and all jointing materials including encasing the pan and trap with cement mortar 1:2, making good the floor/surface including supplying and fixing White solid plastic seat of similar make with CP pillar hinges and rubber buffers, flush pipe of 40 mm dia. with closet by means of white porcelain enamelled flush bend using rubber adapter joints etc. complete all as per specifications and as per direction of Engineer.	EACH	3	8,500.00	-	Rupees Eight Thousand Five Hundreds Only	25,500.00



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				Rate in Words			
44	Providing, transporting, fixing and commissioning in position best vitreous wall hung china wash basin of sizes 550 mm X 450 mm with a tolerance limit of +/-50 mm in length side/ width side of Paryware / CERA / Hind Ware / Jaquar / kajaria / varnora / simpolo make conforming to relevant IS including with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern from Jaquar / paryware / Hindware / Cera, including painting of fittings and brackets, cutting and making good the walls wherever require, removal of broken hand wash basin and disposing the same etc. complete all as per specifications and as directed by Engineer.	EACH	4	5,500.00	-	-	22,000.00
				Rupees Five Thousand Five Hundreds Only			
45	Providing and fixing in position 5mm thick mirror glass of required size from manufacturers like Saint Gobain / Modi / TATA with bevelling all four sides / without bevelled edges factory silvered with soft board backing of 4mm thick including cost of necessary CP Brass button brackets, rawl plugs, screws, labour etc. in required sizes complete as approved and directed by Engineer.	SqM	1.5	3,200.00	-	-	4,800.00
				Rupees Three Thousand Two Hundreds Only			
46	Providing and fixing of 600 mm long towel rail from Jaquar / CERA / Hind ware / Paryware with pair of wall flanges fixed to wall with CP brass screws screwed on to wooden plugs embedded in wall etc. complete all as approved and directed.	EACH	4	1,050.00	-	-	4,200.00
				Rupees One Thousand Fifty Only			
47	Providing and fixing plastic transparent wall mount soap dispenser push button type of 500 ml capacity of high quality plastic material with all accessories including fixing, necessary tools and tackles etc. complete.	EACH	4	500.00	-	-	2,000.00
				Rupees Five Hundreds Only			
48	Providing and fixing Toilet paper roll holder from Jaquar / Hind ware / CERA/ essco high quality for toilets with necessary plugs, CP screws etc.	EACH	3	1,200.00	-	-	3,600.00
				Rupees One Thousand Two Hundreds Only			
49	Providing and fixing in position both side polished Granite Stone exterior edge moulded urinal partition slab of 18 mm thick +/- 2mm in tolerance 750 mm x 630 mm size with rounded exposed corners suit to existing one in colour/shade /shape including cutting brick masonry walls embedding the slab 75 mm inside brick masonry walls and rendering with 1:3 CM, including removing & depositing / disposal of existing partition, making the surface for fresh laying, etc. complete.	EACH	7	3,500.00	-	-	24,500.00
				Rupees Three Thousand Five Hundreds Only			
50	Supplying, fitting and fixing 100 mm diameter CI grating on vertical surface for the following rain water pipe complete as per drawings, specification and as directed by the Engineer.	EACH	5	1,500.00	-	-	7,500.00
				Rupees One Thousand Five Hundreds Only			
51	Providing & fixing CI Nahani trap of self cleaning design with 75mm NB outlet having a minimum water seal of 30mm with SS grating on top including necessary 1:1.5:3 cement concrete for embedding the trap and making good the floor connecting trap to the waste pipe forming circular hole upto floor level and rendering smooth etc. complete conforming to IS: 3989.	EACH	15	450.00	-	-	6,750.00
				Rupees Four Hundreds Fifty Only			



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				Rate in Words			
52	Providing and fixing 160 mm x 100 mm PVC made gully trap with C.I. grating (weight shall not less than 1Kg per piece) including excavation in all types of soils, back filling, embedding in P.C.C. 1:3:6 using 20 mm size aggregates and constructing chamber as per site condition with 115 mm thick brick wall and carry out plasters on both faces of brickwork using Cement Mortar 1:4, 12 mm thick finished smooth with a floating coat of neat cement including providing and fixing FRP made 300 mm x 300 mm size frame with cover have bearing capacity of 2.5T etc. complete all as directed by the EIC. NOTE:- i) Excavation, PCC 1:3:6, 115mm thick brickwork, 12mm thick plaster of CM 1:4 will be paid separately under relevant items of SOQR	EACH	6	2,500.00	-	-	15,000.00
			Rupees Two Thousand Five Hundreds Only				
53	Providing & fixing following Diameters CPVC pipes heavy duty (Pro -CTS copper tube pipes) from ASTRAL / PRINCE / DUTRON / FINOLEX / Reliance / Supreme / Ashinwad / Star / Self shine / BIRLA or approved brand confirming to relevant IS including cost of materials, adhesive solution of approved brand such as PIDILITE etc., all fittings like bend, elbow, coupling etc. complete. Item includes all material, tools, tackles, transportation, bends, Tees, reducer, fittings and labour etc. complete.	RM	150	500.00	-	-	75,000.00
			Rupees Five Hundreds Only				
53.02	25 mm dia	RM	200	400.00	-	-	80,000.00
			Rupees Four Hundreds Only				
53.03	15 mm dia	RM	200	300.00	-	-	60,000.00
			Rupees Three Hundreds Only				
54	Providing and fixing stainless steel plain glossy finish kitchen sink of size 610 x 510 mm with inbuilt waste coupling having bowl depth of 200mm minimum whereas size of bowl will be given by engineer in charge as per site condition with a pair of CI brackets of sink, waste coupling compatible size from PRAYAG, NIRALI make and as per relevant IS. Cost includes material, transportation, cutting holes in walls and making good the same after fixing, etc. complete as directed by Engineer.	Each	1	6,000.00	-	-	6,000.00
			Rupees Six Thousand Only				
55	Providing & fixing heavy quality 15 mm dia heavy CP brass screw down Stop cock (latest model) easy clean variety on GI lines conforming to IS: 781.	EACH	10	1,000.00	-	-	10,000.00
			Rupees One Thousand Only				
56	Providing & fixing premium quality 15 mm dia heavy CP brass screw down Bib cock (latest model) easy clean variety on GI lines conforming to IS: 781.	EACH	6	1,300.00	-	-	7,800.00
			Rupees One Thousand Three Hundreds Only				
57	Providing & fixing heavy quality 15 mm dia heavy CP brass screw down Pillar Cock (latest model) easy clean variety on GI lines conforming to IS: 781.	EACH	8	1,700.00	-	-	13,600.00
			Rupees One Thousand Seven Hundreds Only				
58	Providing & fixing pvc inlet connection for flush pipe connecting with water closet	EACH	15	200.00	-	-	3,000.00
			Rupees Two Hundreds Only				

Manas

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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
59	Providing and fixing Rigid PVC SWR pasting type (Type-A) pipes of Nominal Diameter 200 mm OD of brand Sumolex / Balaji / Jain / Supreme / Prince pipes with special such as elbow, bands, Tee etc. conforming to IS: 13952. 1992 to be fixed under/above ground with clamps, T.W. packing pieces, using approved adhesive and restoring the same to the original condition wherever required etc. complete as per specifications. (Pipe Rating -10 Kg/SqCm).	RM	500	1,700.00	-	-	8,50,000.00
			Rupees One Thousand Seven Hundreds Only				
60	Providing and fixing Rigid PVC SWR pasting type (Type-A) pipes of Nominal Diameter 110 mm OD of brand Sumolex / Balaji / Jain / Supreme / Prince pipes with special such as elbow, bands, Tee etc. conforming to IS : 13952 : 1992 to be fixed on walls or in chases or through columns with clamps, T.W. packing pieces, using approved adhesive making hole in the slab or wall and restoring the same to the original condition wherever required etc. complete as per specifications. (Pipe Rating -6 Kg/SqCm).	RM	300	400.00	-	-	1,20,000.00
			Rupees Four Hundreds Only				
61	Providing & fixing CP brass Urinal spreader with / without Hex of approved model suit to site of MARC / Essco / Jaquar / Parryware / Prayag / kajaria or other approved brand for hand washing area including Teflon tape, tools, tackles, labour etc. complete as directed by engineer.	EACH	8	1,100.00	-	-	8,800.00
			Rupees One Thousand One Hundreds Only				
62	Providing and fitting Gun Metal gate valves of DRP or other approved brand of following diameter confirming to relevant IS and of approved brand including joining with pipes, making holes and chasing in walls, floor etc. where ever required and making good the same to the original condition, testing to the required 16 kg/sq cm. hydraulic pressure.	No	8	800.00	-	-	6,400.00
62.01	15mm nominal bore			Rupees Eight Hundreds Only			
62.02	25mm nominal bore	No	6	1,200.00	-	-	7,200.00
			Rupees One Thousand Two Hundreds Only				
62.03	40mm nominal bore	No	4	1,500.00	-	-	6,000.00
			Rupees One Thousand Five Hundreds Only				
63	FURNITURE ITEMS - Supplying and placing office chairs and tables listed below with required accessories including cost of transportation, labours, etc. complete and as per selection of Engineer in charge. The furniture items shall match the furniture already provided in Main Control Room of KAPS-1&2.						
63.01	High back chair with cushioned seat and back made of injection molded plastic upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45 kg/m3 and hardness load of 16 kgf for 25% compression, PU moulded armrest with powder coated structure, seat depth adjustment, adjustable back support, pneumatic height adjustment, and Five nos. twin wheel castors injection moulded in plastic	Nos.	15	18,487.00	-	-	2,77,305.00
			Rupees Eighteen Thousand Four Hundreds Eighty Seven Only				



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
63.02	High back chair with head rest , cushioned seat and back made of injection molded plastic upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45 kg/m ³ and hardness load of 16 kgf for 25% compression, PU moulded armrest with powder coated structure, seat depth adjustment, adjustable back support, pneumatic height adjustment, and Five nos. twin wheel castors injection moulded in plastic	Nos.	5	12,807.00	-	-	64,035.00
			Rupees Twelve Thousand Eight Hundreds Seven Only				
63.03	CH7 Cane Chair Mid Back Visitor Chair Grey Powder Coated with Hand Rest and Tubular frame of cantilever type and made of 2.54 cm dia and 0.2 cm thickness MS ERW tube	Nos.	10	12,518.00	-	-	1,25,180.00
			Rupees Twelve Thousand Five Hundreds Eighteen Only				
63.04	Mid Back Visitor Chair with Powder coated Tubular frame of cantilever type and made of 2.54 cm dia and 0.2 cm thickness MS ERW tube with cushioned seat and back made with foam laminated fabric and moulded high resilience polyurethane foam of density 45 kg/m ³ and hardness load of 16 kgf for 25% compression, PU moulded armrest with powder coated structure. The back is connected to frame through powder coated high pressure die cast connector piece.	Nos.	15	12,518.00	-	-	1,87,770.00
			Rupees Twelve Thousand Five Hundreds Eighteen Only				
63.05	Standard T-9 Table of size 1370x740x690 mm with Particle Board Table top and Mild Steel Frame structure.	Nos.	6	29,668.00	-	-	1,78,008.00
			Rupees Twenty Nine Thousand Six Hundreds Sixty Eight Only				
63.06	Executive Office Desk with Side Table. Size of both Main Desk and Side Table is 1800x900x750 mm.	Nos.	4	1,05,536.00	-	-	4,22,144.00
			Rupees One Lakh Five Thousand Five Hundreds Thirty Six Only				
63.07	Computer Table with Document and CPU Rack Size: 1200x600x750 mm	Nos.	10	17,438.00	-	-	1,74,380.00
			Rupees Seventeen Thousand Four Hundreds Thirty Eight Only				
63.08	C-Type Table consisting 3 rectangular tables and two Half Semicircular tables in between them. Size of main rectangular table is 1950x900mm and side rectangular tables is 1800x600 mm with the half semi-circular in between. Detailed drawings are in Section V.	Nos.	1	1,99,289.00	-	-	1,99,289.00
			Rupees One Lakh Ninety Nine Thousand Two Hundreds Eighty Nine Only				
63.09	Conference Table of Convex shape with 3600 mm length, 790 mm width at each end and 1050 mm with in the centre.	Nos.	1	2,64,589.00	-	-	2,64,589.00
			Rupees Two Lakh Sixty Four Thousand Five Hundreds Eighty Nine Only				
64	MECHANICAL (PART-B) - Supply, Erection and commissioning of Duct, Support, Grill and Dampers at Simulator Building				-	-	-
64.01	Supply and Erection of Duct system	Sqm	400	3,800.00	-	-	15,20,000.00
			Rupees Three Thousand Eight Hundreds Only				
64.02	Supply and Erection of Duct support	Kg	200	310.00	-	-	62,000.00
			Rupees Three Hundreds Ten Only				



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				Rate in Words			
64.03	Supply and Erection of Grill / Diffuser	Nos.	70	4,500.00	-	-	3,15,000.00
				Rupees Four Thousand Five Hundreds Only			
64.04	Supply and Erection of Dampers	Nos.	25	11,000.00	-	-	2,75,000.00
				Rupees Eleven Thousand Only			
65	INSTRUMENTATION (PART-C) - Installation of communication and Control system at Simulator building				-	-	-
65.01	Excavation of cable trench of size 400mm wide and 800mm deep and back filling after laying of cable and installation of sand & brick.	Meter	250	305.00	-	-	76,250.00
				Rupees Three Hundreds Five Only			
65.02	Excavation of asphalt road and refilling after installation of cable or EP in it (Including supply of 3" GI pipe)	Meter	20	730.00	-	-	14,600.00
				Rupees Seven Hundreds Thirty Only			
65.03	Supply and installation of the CAT cable for telephone connections	Meters	1000	70.00	-	-	70,000.00
				Rupees Seventy Only			
65.04	Supply and installation of the 1 Pair 16 AWG Cable / Speaker cable	Meters	800	85.00	-	-	68,000.00
				Rupees Eighty Five Only			
65.05	Supply and installation of network CCTV Camera	Nos	5	1,25,000.00	-	-	6,25,000.00
				Rupees One Lakh Twenty Five Thousand Only			
65.06	Supply and installation of LAN POE switch	Nos	1	25,000.00	-	-	25,000.00
				Rupees Twenty Five Thousand Only			
65.07	Supply and installation of 19 inch rack	Nos	2	5,200.00	-	-	10,400.00
				Rupees Five Thousand Two Hundreds Only			
65.08	Drawl, handling shifting of cable from central store to workplace and laying of cable in trench / pipe up to 10-400 pairs telephone cable and up to 75mm OD (amour / unarmored)	Meter	300	90.00	-	-	27,000.00
				Rupees Ninety Only			
65.09	Supply and installation of 25 mm GI Conduit	Meter	1000	365.00	-	-	3,65,000.00
				Rupees Three Hundreds Sixty Five Only			
65.10	Supply and installation of RJ-11/ RJ-45 inlet outlet box	Nos	30	400.00	-	-	12,000.00
				Rupees Four Hundreds Only			

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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
65.11	Supply and installation of weather proof telephone Junction box	Nos.	2	4,350.00	-	-	8,700.00
				Rupees Four Thousand Three Hundreds Fifty Only			
65.12	Supply and installation of the NAS	Meter	1	1,75,000.00	-	-	1,75,000.00
				Rupees One Lakh Seventy Five Thousand Only			
65.13	Supply and installation of the Work station	Nos	1	1,15,000.00	-	-	1,15,000.00
				Rupees One Lakh Fifteen Thousand Only			
65.14	Supply and installation of the PA system Amplifier	Nos.	1	21,000.00	-	-	21,000.00
				Rupees Twenty One Thousand Only			
66	IT WORK - (PART-D)						-
66.01	Supply and laying of HDPE pipe of Dia. 32mm NB (nominal bore) from reputed brand enclosed specification	Meters	150	95.00	-	-	14,250.00
				Rupees Ninety Five Only			
66.02	Supply/manufactured and installation of cable route marker (dimension of mention in annexure) in extracted block of size 200mmx200mmx450mm depth and raise upto 150mm with PCC as per attached drawing in annexure	Nos	5	600.00	-	-	3,000.00
				Rupees Six Hundreds Only			
66.03	Supply and installatoin of single mode 24 core Armoured OFC cable.	Meters	250	160.00	-	-	40,000.00
				Rupees One Hundreds Sixty Only			
66.04	Supply and Installation of Cat-6 UTP cable including all required installation asccessories	Meters	1200	70.00	-	-	84,000.00
				Rupees Seventy Only			
66.05	Supply and installation of 1-Inch casing caping including all required installation asccessories	Meters	700	70.00	-	-	49,000.00
				Rupees Seventy Only			
66.06	Supply and installation of 1U size fully loaded 24 Port LIU including all required installation asccessories	Nos	4	6,500.00	-	-	26,000.00
				Rupees Six Thousand Five Hundreds Only			
66.07	Splicing of one core of fiber cable	Nos	96	40.00	-	-	3,840.00
				Rupees Forty Only			
66.08	Supply and installation of 12 U Racks including all required installation asccessories	Nos	2	9,000.00	-	-	18,000.00
				Rupees Nine Thousand Only			



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
66.09	Supply and installation of D-Link Layer 2 DGS-1510-28X Gigabit Ethernet Smart Pro, 24 port managed network switch having 24 RJ-45 10/100/1000 base T ports with 4 fixed SFP (1G/10G) ports. Switch loaded with 02 nos SFP module (DEM-310GT) 1Gbps Single Mode. Switch should support RFC-3576 and RFC-3580, SNMP V3 including all required installation accessories	Nos	4	32,000.00	-	-	1,28,000.00
				Rupees Thirty Two Thousand Only			
66.10	Supply of UTP Patch panel including all required installation accessories	Nos	2	4,500.00	-	-	9,000.00
				Rupees Four Thousand Five Hundreds Only			
66.11	Supply of UTP Patch Cords	Nos	100	180.00	-	-	18,000.00
				Rupees One Hundreds Eighty Only			
66.12	Supply of optical Patch Cords (LC-SC/SC-SC)	Nos	20	1,300.00	-	-	26,000.00
				Rupees One Thousand Three Hundreds Only			
66.13	Supply and installation I/O including back plate and box and other required installation kit	Nos	40	360.00	-	-	14,400.00
				Rupees Three Hundreds Sixty Only			
67	ELECTRICAL - (PART-1) Supply of main Items for Electrical - AC DISTRIBUTION BOARDS/ PANELS Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, packing & forwarding, transportation and safe delivery to site of following type tested AC Distribution boards/ Panels including all accessories, conforming to requirement of tender specification no. PP-E-00552 and tender drawings						
67.01	Main Distribution Boards (MDB) - 415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 250 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 250A switch fuse unit in incomer feeder, and 4 Nos. of outgoing feeders with 100A TPN MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	1,29,700.00	-	-	1,29,700.00
				Rupees One Lakh Twenty Nine Thousand Seven Hundreds Only			
67.02	Main Distribution Boards (MDB) - 415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 250 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 250A switch fuse unit (SFU) in incomer feeder, 2 No. of outgoing feeder with 63A SFU, 1 No. of outgoing feeder with 32A SFU and 3 Nos. of outgoing feeders with 100A TPN MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	1,15,000.00	-	-	1,15,000.00
				Rupees One Lakh Fifteen Thousand Only			
67.03	Sub Distribution Board (SDB) - 415 V, AC indoor metal clad, air insulated wall mounted type AC distribution board with 415 V, 100 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 100A 415V TPN MCCB (with S/C, O/L & E/F) in incomer feeder, 6No. outgoing feeder of 100A, 240V, double Pole MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	1,15,900.00	-	-	1,15,900.00
				Rupees One Lakh Fifteen Thousand Nine Hundreds Only			



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
67.04	Local Distribution Boards (LDB) - 240 V, AC indoor metal clad, air insulated wall mounted type AC distribution board with 240 V, 100 A, single phase & neutral, 2 wire bus, 10 kA symmetrical fault current. One 100A 240V double pole MCCB (with S/C, O/L & E/F) in incomer feeder. 24 no. of outgoing feeders of 6A/10A/16A, 240V, 2 Pole MCB with/without ELCB feature (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	3	95,600.00	-	-	2,86,800.00
							Rupees Ninety Five Thousand Six Hundreds Only
67.05	Lighting Boards (LB) - 415 V, AC indoor type lighting panel with 415 V, 63 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One nos. of 63A, 415 V, TPN disconnecting switch as incomer, 24 Nos. of 16/32 A 240V 2 pole MCBs with/without ELCB (9 kA) as outgoing feeders for lighting/receptacles. Outgoing lighting circuit will be controlled through contactor contact. 6 nos. of 16A rating, AC-1 duty, contactor with operating coil voltage of 24V DC and 2NO+2NC auxiliary contacts shall be provided in LB. Required control scheme shall be prepared and submitted for Purchaser's approval. (LB-1) (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	1	1,35,890.00	-	-	1,35,890.00
							Rupees One Lakh Thirty Five Thousand Eight Hundreds Ninety Only
67.06	Lighting Boards (LB) - 415 V, AC indoor type lighting panel with 415 V, 63 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One nos. of 63A, 415 V, TPN disconnecting switch as incomer, 9 Nos. of 16 A 240V 2 pole MCBs with/without ELCB (9 kA) as outgoing feeders for lighting/receptacles. Outgoing lighting circuit will be controlled through contactor contact. 6 nos. of 16A rating, AC-1 duty, contactor with operating coil voltage of 24V DC and 2NO+2NC auxiliary contacts shall be provided in LB. Required control scheme shall be prepared and submitted for Purchaser's approval. (LB-2) (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	1	1,52,500.00	-	-	1,52,500.00
							Rupees One Lakh Fifty Two Thousand Five Hundreds Only
67.07	Ventilation Distribution Boards (VDB) - The panel shall be indoor, metal clad, air insulated, wall mounted type. The bus of 415V, 63A, 3 phase, 4 wire, 10 kA symmetrical fault current shall be provided. Each board shall be provided with 63A TPN switch for incomer and 05 Nos outgoing feeders (Q-type) having approximately 1.4 A, 415 V, 3 pole, MPCB and 18A contactor (9 kA) along with fan control scheme typically as per drawing No. GHAVP-1, 2/52500/2001/ED. Auxiliary relays shall be provided for multiplication of fire contact for indicating lamp on VDB and for use in contactor control circuit. Complete control circuit arrangement shall be provided in the VDB itself. Scheme drawing for this type of VDB shall be prepared by the Contractor and submitted for Purchaser's approval. (Exact MPCB rating will be provided during detail engineering). Additionally 09 nos. of outgoing feeders having 16A, 415V, 3 pole, MCB (9kA) with ELCB feature shall be provided (VDB) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	2,10,000.00	-	-	2,10,000.00
							Rupees Two Lakh Ten Thousand Only
68	UPS and Battery bank - Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, packing & forwarding, transportation and safe delivery to site of following type tested 45 kVA UPS and minimum 240 Ah Battery Bank including all accessories, conforming to requirement of tender specification nos PP-E-00552 and tender drawings	Nos.	1	7,10,600.00	-	-	7,10,600.00
68.01	45 kVA, 0-52420-UPS-1						Rupees Seven Lakh Ten Thousand Six Hundreds Only
68.02	Lead acid Battery of minimum C10 rating 240 Ah VRLA type along with steel cabinet, inter-cell, inter-cabinet, end take off connections etc.. (Battery bank voltage to meet UPS DC link voltage)	Bank	1	7,45,000.00	-	-	7,45,000.00
							Rupees Seven Lakh Forty Five Thousand Only



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				Rate in Words			
69	415V POWER CABLES - Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, fabrication, documentation, inspection, testing at works, packaging/ forwarding, supply, safe delivery at site of following Type tested 415V power cables as per tender specification PP-E-00552				-	-	-
69.01	3.5 core x 240 sq. mm (1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	550	1,900.00	-	-	10,45,000.00
			Rupees One Thousand Nine Hundreds Only				
69.02	3.5 core x 120 sq. mm (1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	200	915.00	-	-	1,83,000.00
			Rupees Nine Hundreds Fifteen Only				
69.03	2 Core x 2.5 sq. mm (1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	2040	145.00	-	-	2,95,800.00
			Rupees One Hundreds Forty Five Only				
69.04	3 Core x 2.5 sq. mm ((1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	100	185.00	-	-	18,500.00
			Rupees One Hundreds Eighty Five Only				
69.05	4 Core x 16 sq. mm (1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	200	1,120.00	-	-	2,24,000.00
			Rupees One Thousand One Hundreds Twenty Only				
70	ELECTRICAL CONTROL CABLES - Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, packing & forwarding, transportation and safe delivery to site of following type tested Electrical Control Cables conforming to requirement of tender specifications PP-E-00552				-	-	-
70.01	2 Core x 2.5 Sq. mm (Stranded conductor), 1100V grade, copper, PVC insulated, Armoured, overall screened, FRLS PVC sheathed cable.	Mtrs	150	175.00	-	-	26,250.00
			Rupees One Hundreds Seventy Five Only				
71	LIGHTING FIXTURES - Design, Engineering, Procurement, Manufacture, Quality assurance, routine and acceptance tests, packing & forwarding, transportation and safe delivery to site of following Type tested Lighting Fixtures including all accessories & lamps, conforming to requirement of tender specifications PP-E-00552 and tender drawings				-	-	-
71.01	Fixture type-A (18 Watt, LED Recessed Round Down lighter with pressure Die cast Aluminium Housing with suitable Diffuser)	Nos	22	1,180.00	-	-	25,960.00
			Rupees One Thousand One Hundreds Eighty Only				
71.02	Fixture type-B (30Luminare with Extruded Aluminium powder coated finish, Polycarbonate diffuser suitable for sface and Suspension Mounting)	Nos	18	2,090.00	-	-	37,620.00
			Rupees Two Thousand Ninety Only				
71.03	Fixture type-D (45 Watt LED Luminare with Extruded Aluminium housing, Splash proof / Corrosion proof Enclosure, powder coated finish and Polystyrene / Polycarbonate diffuser suitable arnrgment for sface and Suspension Mounting)	Nos	4	2,540.00	-	-	10,160.00
			Rupees Two Thousand Five Hundreds Forty Only				

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				Rate in Words			
71.04	Fixture type-E (30 Watt Recessed mounted Indoor Decorative LED Luminare with Aluminium / CRCA housing with powder coated finish and polystyrene / Polycarbonate diffuser suitable for Ceiling Mounting.)	Nos	77	3,090.00	-	-	2,37,930.00
				Rupees Three Thousand Ninety Only			
72	FIRE BARRIERS AND FIRE BREAKS						-
72.01	Design, manufacturing, testing, supply, packing & forwarding, transportation and safe delivery to site of 1 hour rated fire stops for cable penetrations and cable pipe sleeves in floors/walls as per specifications PP-E-00552. Thickness of the filling material shall be as per the fire rating requirement.	meter ²	1	10,400.00	-	-	10,400.00
				Rupees Ten Thousand Four Hundreds Only			
72.02	Design, manufacturing, testing, supply, packing & forwarding, transportation and safe delivery to site of fire retardant compound over cable to form fire break capable of preventing propagation of fire for 30 minutes as per specifications PP-E-00552. Thickness of the filling material shall be as per the fire rating requirement.	meter ²	10	7,000.00	-	-	70,000.00
				Rupees Seven Thousand Only			
73	SUPPLY OF MISCELLANEOUS ITEMS AND INSTALLATION WORKS - 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 'Supply of Miscellaneous Items and Installation Works for KAPS-1&2 simulator' including all accessories, conforming to requirement of tender specifications PP-E-00410 and tender drawings						-
73.01	Supply of supporting steel structures consisting of ISMCs, ISAs etc. for the following:	kg	150	160.00	-	-	24,000.00
				Rupees One Hundred Sixty Only			
74	Supply of following medium duty GI pipes/flexible conduits with necessary clamps and hardware for fixing the conduits to the supports for routing cables from cable trays or Distribution Boards or Junction Boxes to various field equipment or between equipment or between cable trays.						-
74.01	65mm Dia	Mtrs	10	380.00	-	-	3,800.00
				Rupees Three Hundred Eighty Only			
74.02	40mm Dia	Mtrs	10	300.00	-	-	3,000.00
				Rupees Three Hundred Only			
75	Supply of cable glands for the following cables. Glands for 415 power cables (1100V grade):						-
75.01	3.5 core x 240 sq. mm (Aluminium conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	4	3,240.00	-	-	12,960.00
				Rupees Three Thousand Two Hundred Forty Only			
75.02	3.5 core x 120 sq. mm (Aluminium conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	12	1,450.00	-	-	17,400.00
				Rupees One Thousand Four Hundred Fifty Only			



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75.03	2 Core x 2.5 sq. mm (Copper conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	110	330.00	-	-	36,300.00
75.04	3 Core x 2.5 sq. mm ((1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Nos.	8	350.00	-	-	2,800.00
75.05	4 Core x 16 sq. mm (1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Nos.	6	500.00	-	-	3,000.00
75.06	2 Core x 2.5 Sq. mm (Stranded conductor), (Electrical System Control cables Multi-core, 1100V grade, solid/ stranded copper conductor, PVC insulated, FRLS PVC as inner and outer sheath material, Armoured, overall screened cables)	Nos.	12	350.00	-	-	4,200.00
76	Supply of lugs for the following cables. - 415V power cables (1100V grade) - Class A and Class B copper and aluminium lugs shall be separately categorized and type tested as per the sampling plan given BS EN 61238-1 and meeting the requirements specified in this standard.						
76.01	3.5 core x 240 sq. mm- Class B (Aluminium conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	16	2,800.00	-	-	44,800.00
76.02	3.5 core x 120 sq. mm- Class B (Aluminium conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	48	1,200.00	-	-	57,600.00
76.03	2 Core x 2.5 sq. mm - Class B (Copper conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	220	280.00	-	-	61,600.00
76.04	3 Core x 2.5 sq. mm - Class B (Copper conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	24	300.00	-	-	7,200.00
76.05	4 Core x 16 sq. mm - Class B (Copper conductor, XLPE insulated, FRLS PVC inner and outer sheathed, Armoured cables)	Nos.	24	400.00	-	-	9,600.00
77	Electrical System Control cables - Multi-core, 1100V grade, solid/ stranded copper conductor, PVC insulated, FRLS PVC as inner and outer sheath material, Armoured, overall screened cables of following sizes.						
77.01	2 Core x 2.5 Sq. mm (Stranded conductor)	Nos.	24	390.00	-	-	9,360.00
78	Lighting system – Supply of following sizes of GI conduit/ flexible conduits.						

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				Rate in Words			
78.01	Flexible metal 20mm dia GI conduit	Mtrs	55	800.00	-	-	44,000.00
				Rupees Eight Hundreds Only			
78.02	ERW heavy duty rigid 25mm dia GI conduit	Mtrs	1815	365.00	-	-	6,62,475.00
				Rupees Three Hundreds Sixty Five Only			
79	Supply of following sizes of wires						-
79.01	1C x 2.5 Sq.mm 650V grade copper conductor PVC insulated wires	Mtrs	2420	35.00	-	-	84,700.00
				Rupees Thirty Five Only			
79.02	1C x 4 Sq.mm 650V grade copper conductor PVC insulated wires	Mtrs	1650	45.00	-	-	74,250.00
				Rupees Forty Five Only			
80	Supply of following sizes of SWG GI wires						-
80.01	14 SWG GI earthing wire for lighting (running along the conduits)	Mtrs	1815	28.00	-	-	50,820.00
				Rupees Twenty Eight Only			
81	Additional items required for lighting system						-
81.01	5A, Decorative type lighting control switch with box	Nos.	33	330.00	-	-	10,890.00
				Rupees Three Hundreds Thirty Only			
82	Receptacles						-
82.01	5A, 240V AC, 1-Phase, Three pin, Decorative type receptacle with MCB	Nos.	8	2,690.00	-	-	21,520.00
				Rupees Two Thousand Six Hundreds Ninety Only			
82.02	5/15A, 240V AC, 1-Phase, 3 pin, Decorative type receptacle with MCB	Nos.	57	2,990.00	-	-	1,70,430.00
				Rupees Two Thousand Nine Hundreds Ninety Only			
82.03	30A, 240V AC, 1-Phase, 3 pin, Industrial type receptacle with MCB	Nos.	5	3,200.00	-	-	16,000.00
				Rupees Three Thousand Two Hundreds Only			
82.04	15A, 415V AC, 3-Phase, 3 pin, Decorative type receptacle with MCB	Nos.	3	4,500.00	-	-	13,500.00
				Rupees Four Thousand Five Hundreds Only			
83	Junction boxes and cables of following sizes for Lighting/ receptacle/ space heating system						-

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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
83.01	Junction Box (4 way)	Nos.	295	300.00	-	-	88,500.00
				Rupees Three Hundreds Only			
83.02	Supply of 3C x 2.5 Sq.mm copper conductor, XLPE insulated, armoured cable for 3Ph receptacles	Mtrs	50	155.00	-	-	7,750.00
				Rupees One Hundreds Fifty Five Only			
84	Earthing - Equipment Copper earthing leads of following sizes						
84.01	65.09 sq mm	Mtrs	200	540.00	-	-	1,08,000.00
				Rupees Five Hundreds Forty Only			
84.02	16 sq mm	Mtrs	20	320.00	-	-	6,400.00
				Rupees Three Hundreds Twenty Only			
84.03	10 sq mm	Mtrs	15	150.00	-	-	2,250.00
				Rupees One Hundreds Fifty Only			
84.04	4 sq mm	Mtrs	20	60.00	-	-	1,200.00
				Rupees Sixty Only			
84.05	126.7 sq mm copper main earthing conductor	Mtrs	600	420.00	-	-	2,52,000.00
				Rupees Four Hundreds Twenty Only			
84.06	Crimpable copper lug suitable for 16/10 sqmm stranded copper conductor and associated hardware	Nos.	20	35.00	-	-	700.00
				Rupees Thirty Five Only			
84.07	Crimpable copper lug suitable for 4 sqmm stranded copper conductor and associated hardware	Nos.	20	5.00	-	-	100.00
				Rupees Five Only			
85	Earthing Pads						
85.01	EWP	Nos.	36	4,500.00	-	-	1,62,000.00
				Rupees Four Thousand Five Hundreds Only			
85.02	EFP	Nos.	45	6,000.00	-	-	2,70,000.00
				Rupees Six Thousand Only			
85.03	ECP	Nos.	13	6,000.00	-	-	78,000.00
				Rupees Six Thousand Only			

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				Rate in Words			
86	Class-A insulating mats as per IE rules/Indian standard (15652) in front and back of all 415V and 240V panels / boards along the complete length of panels / boards	Lot	1	1,05,000.00 Rupees One Lakh Five Thousand Only	-	-	1,05,000.00
87	Electrical Erection, Testing & commissioning of main item nos. from 67 to 72 of PART-1. (PART-2) AC DISTRIBUTION BOARDS/ PANELS - Installation, Testing and commissioning of AC Distribution boards/ Panels conforming to requirement of tender specification no. PP-E-00552 and tender drawings. 1. Installation, testing & commissioning (ITC) of Main Distribution Boards (MDB) / Panel. 2. Any civil/mechanical work required for erection is in scope of contractor. 3. All hardware required for panel installation is in scope of contractor. 4. Suitable arrangement for cable entry in the panel is in scope of contractor. 5. Lug & glands will be provide through separate item. 6. Earthing wire termination from panel to earthing pad. 7. All tools & tackle required for work execution is in scope of contractor. 8. Checkered plate shall be provided to cover the un used portion of floor cut outs and spaces in the base frame to form a uniform flat surface.						
87.01	Main Distribution Boards (MDB) - Installation, Testing and commissioning of 415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 250 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 250A switch fuse unit in incomer feeder, and 4 Nos. of outgoing feeders with 100A TPN MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	14,500.00 Rupees Fourteen Thousand Five Hundreds Only	-	-	14,500.00
87.02	Main Distribution Boards (MDB) - Installation, Testing and commissioning of 415 V, AC indoor metal clad, air insulated floor mounted type AC distribution board with 415 V, 250 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 250A switch fuse unit (SFU) in incomer feeder, 2 No. of outgoing feeder with 63A SFU, 1 No. of outgoing feeder with 32A SFU and 3 Nos. of outgoing feeders with 100A TPN MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	15,000.00 Rupees Fifteen Thousand Only	-	-	15,000.00
87.03	Sub Distribution Board (SDB) - Installation, Testing and commissioning of 415 V, AC indoor metal clad, air insulated wall mounted type AC distribution board with 415 V, 100 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One 100A 415V TPN MCCB (with S/C, O/L & E/F) in incomer feeder, 6 No. outgoing feeder of 100A, 240V, double Pole MCCB (with S/C, O/L & E/F) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	15,000.00 Rupees Fifteen Thousand Only	-	-	15,000.00
87.04	Local Distribution Boards (LDB) - Installation, Testing and commissioning of 240 V, AC indoor metal clad, air insulated wall mounted type AC distribution board with 240 V, 100 A, single phase & neutral, 2 wire bus, 10 kA symmetrical fault current. One 100A 240V double pole MCCB (with S/C, O/L & E/F) in incomer feeder, 24 no. of outgoing feeders of 6A/10A/16A, 240V, 2 Pole MCB with/without ELCB feature (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	3	15,000.00 Rupees Fifteen Thousand Only	-	-	45,000.00



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Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
				Rate in Words			
87.05	Lighting Boards (LB) - Installation, Testing and commissioning of 415 V, AC indoor type lighting panel with 415 V, 63 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One nos. of 63A, 415 V, TPN disconnecting switch as incomer, 24 Nos. of 16/32 A 240V 2 pole MCBs with/without ELCB (9 kA) as outgoing feeders for lighting/receptacles. Outgoing lighting circuit will be controlled through contactor contact. 6 nos. of 16A rating, AC-1 duty, contactor with operating coil voltage of 24V DC and 2NO+2NC auxiliary contacts shall be provided in LB. Required control scheme shall be prepared and submitted for Purchaser's approval. (LB-1) (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	1	13,000.00	-	-	13,000.00
				Rupees Thirteen Thousand Only			
87.06	Lighting Boards (LB) - Installation, Testing and commissioning of 415 V, AC indoor type lighting panel with 415 V, 63 A, 3 phase, 4 wire bus, 10 kA symmetrical fault current. One nos. of 63A, 415 V, TPN disconnecting switch as incomer, 9 Nos. of 16 A 240V 2 pole MCBs with/without ELCB (9 kA) as outgoing feeders for lighting/receptacles. Outgoing lighting circuit will be controlled through contactor contact. 6 nos. of 16A rating, AC-1 duty, contactor with operating coil voltage of 24V DC and 2NO+2NC auxiliary contacts shall be provided in LB. Required control scheme shall be prepared and submitted for Purchaser's approval. (LB-2) (Refer drawing no. KAPS-1&2/52420/2001/ED for exact quantity of MCB and ELCB O/G feeders)	Nos	1	13,000.00	-	-	13,000.00
				Rupees Thirteen Thousand Only			
87.07	Ventilation Distribution Boards (VDB) - Installation, Testing and commissioning of Ventilation Distribution Boards. The panel shall be indoor, metal clad, air insulated, wall mounted type. The bus of 415V, 63A, 3 phase, 4 wire, 10 kA symmetrical fault current shall be provided. Each board shall be provided with 63A TPN switch for incomer and 05 Nos. outgoing feeders (Q-type) having approximately 1.4 A, 415 V, 3 pole, MPCB and 18A contactor (9 kA) along with fan control scheme typically as per drawing No. GHAVP-1, 2/52500/2001/ED. Auxiliary relays shall be provided for multiplication of fire contact for indicating lamp on VDB and for use in contactor control circuit. Complete control circuit arrangement shall be provided in the VDB itself. Scheme drawing for this type of VDB shall be prepared by the Contractor and submitted for Purchaser's approval. (Exact MPCB rating will be provided during detail engineering). Additionally 09 nos. of outgoing feeders having 16A, 415V, 3 pole, MCB (9kA) with ELCB feature shall be provided (VDB) (Refer drawing no. KAPS-1&2/52420/2001/ED)	Nos	1	25,000.00	-	-	25,000.00
				Rupees Twenty Five Thousand Only			
88	UPS and Battery bank - Installation, Testing and commissioning of UPS and Battery bank after safe delivery to site of 45 kVA UPS and minimum 240 Ah Battery Bank including all accessories, conforming to requirement of tender specification nos PP-E-00552 and tender drawings.				-	-	-
88.01	Installation, Testing and commissioning of 45 kVA, 0-52420-UPS-1 as per tender specification no. PP-E-00415 and tender drawings.	Nos	1	15,000.00	-	-	15,000.00
				Rupees Fifteen Thousand Only			
88.02	Installation, Testing and commissioning of Lead acid Battery of minimum C10 rating 240 Ah VRLA type along with steel cabinet, inter-cell, inter-cabinet, end take off connections etc.. (Battery bank voltage to meet UPS DC link voltage)	Bank	1	8,500.00	-	-	8,500.00
				Rupees Eight Thousand Five Hundreds Only			
89	415V POWER CABLES - Laying, Testing and commissioning of 415V power cables as per tender specification PP-E-00552				-	-	-



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				Rate in Words			
89.01	3.5 core x 240 sq. mm (Laying, Testing and commissioning of 1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	550	150.00	-	-	82,500.00
89.02	3.5 core x 120 sq. mm (Laying, Testing and commissioning of 1100V grade, Aluminium conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	200	120.00	-	-	24,000.00
89.03	2 Core x 2.5 sq. mm (Laying, Testing and commissioning of 1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	2040	40.00	-	-	81,600.00
89.04	3 Core x 2.5 sq. mm (Laying, Testing and commissioning of 1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	100	40.00	-	-	4,000.00
89.05	4 Core x 16 sq. mm (Laying, Testing and commissioning of 1100V grade, Copper conductor, XLPE insulated, Armoured, FRLS PVC sheathed cables)	Mtrs	200	40.00	-	-	8,000.00
90	ELECTRICAL CONTROL CABLES - Laying, Testing and commissioning of Electrical Control Cables conforming to requirement of tender specifications PP-E-00552						-
90.01	2 Core x 2.5 Sq. mm (Stranded conductor), (Laying, Testing and commissioning of 1100V grade, copper, PVC insulated, Armoured, overall screened, FRLS PVC sheathed cables)	Mtrs	150	30.00	-	-	4,500.00
91	LIGHTING FIXTURES - Installation, Testing and commissioning Lighting Fixtures including all accessories & lamps, conforming to requirement of tender specifications PP-E-00552 and tender drawings						-
91.01	Installation, Testing and commissioning of Fixture type-A (18 Watt, LED Recessed Round Down lighter with pressure Die cast Aluminium Housing with suitable Diffuser)	Nos	22	100.00	-	-	2,200.00
91.02	Installation, Testing and commissioning of Fixture type-B (30 Luminare with Extruded Aluminium powder coated finish, Polycarbonate diffuser suitable for surface and Suspension Mounting)	Nos	18	130.00	-	-	2,340.00
91.03	Installation, Testing and commissioning of Fixture type-D (45 Watt LED Luminare with Extruded Aluminium housing, Splash proof / Corrosion proof Endouser, powder coated finish and Polystyrene / Polycarbonate diffuser suitable armgmt for surface and Suspension Mounting)	Nos	4	130.00	-	-	520.00
91.04	Installation, Testing and commissioning of Fixture type-E (30 Watt Recessed mounted Indoor Decorative LED Luminare with Aluminium / CRCA housing with powder coated finish and polystyrene / Polycarbonate diffuser suitable for Ceiling Mounting.)	Nos	77	150.00	-	-	11,550.00
92	FIRE BARRIERS AND FIRE BREAKS						-
92.01	Execution of 1 hour rated fire stops for cable penetrations and cable pipe sleeves in floors/walls as per specifications PP-E-00552. Thickness of the filling material shall be as per the fire rating requirement.	Sqm	1	700.00	-	-	700.00



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				Rate in Words			
92.02	Application of fire retardant compound over cable to form fire break capable of preventing propagation of fire for 30 minutes as per specifications PP-E-00552. Thickness of the filling material shall be as per the fire rating requirement.	SqM	10	600.00 Rupees Six Hundreds Only	-	-	6,000.00
93	ELECTRICAL SPECIAL TOOLS & TACKLES – UPS and Battery bank						
93.01	Set of suitable insulated spanners	Set	1	55,000.00 Rupees Fifty Five Thousand Only	-	-	55,000.00
93.02	portable trolley with swivel type wheels of adequate size for the installation and removal of individual cells	Nos	1	17,000.00 Rupees Seventeen Thousand Only	-	-	17,000.00
94	ESSENTIAL / MANDATORY SPARES - AC DISTRIBUTION BOARDS/ PANELS						
94.01	6A MCB, 2 pole	Nos	5	530.00 Rupees Five Hundreds Thirty Only	-	-	2,650.00
94.02	6A MCB, 2Pole with ELCB	Nos	2	2,700.00 Rupees Two Thousand Seven Hundreds Only	-	-	5,400.00
94.03	10A MCB, 2Pole with ELCB	Nos	1	2,700.00 Rupees Two Thousand Seven Hundreds Only	-	-	2,700.00
94.04	16A MCB, 2 pole	Nos	2	530.00 Rupees Five Hundreds Thirty Only	-	-	1,060.00
94.05	16A MCB, 2 pole with ELCB	Nos	2	2,700.00 Rupees Two Thousand Seven Hundreds Only	-	-	5,400.00
94.06	16A MCB, 3 pole with ELCB	Nos	1	3,000.00 Rupees Three Thousand Only	-	-	3,000.00
94.07	100A, TPN, MCCB with shunt release	Nos	2	7,800.00 Rupees Seven Thousand Eight Hundreds Only	-	-	15,600.00
94.08	32A MCB, 2 pole with ELCB	Nos	1	3,000.00 Rupees Three Thousand Only	-	-	3,000.00
94.09	32A TPN SFU	Nos	1	6,500.00 Rupees Six Thousand Five Hundreds Only	-	-	6,500.00



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94.10	63A TPN SFU	Nos	1	7,300.00	-	-	7,300.00
			Rupees Seven Thousand Three Hundreds Only				
94.11	250A TPN SFU	Nos	1	18,500.00	-	-	18,500.00
			Rupees Eighteen Thousand Five Hundreds Only				
94.12	1.4A MPCB, 3Pole	Nos	1	3,000.00	-	-	3,000.00
			Rupees Three Thousand Only				
94.13	32A TPN Switch	Nos	1	1,850.00	-	-	1,850.00
			Rupees One Thousand Eight Hundreds Fifty Only				
94.14	63A TPN Switch	Nos	1	2,560.00	-	-	2,560.00
			Rupees Two Thousand Five Hundreds Sixty Only				
94.15	16A contactor	Nos	1	2,290.00	-	-	2,290.00
			Rupees Two Thousand Two Hundreds Ninety Only				
94.16	Indicating Lamps (10% of Total Quantity)	Nos	10	180.00	-	-	1,800.00
			Rupees One Hundreds Eighty Only				
94.17	LB-1 type complete panel	Nos	1	1,40,000.00	-	-	1,40,000.00
			Rupees One Lakh Forty Thousand Only				
94.18	LDB-1 type complete panel	Nos	1	95,000.00	-	-	95,000.00
			Rupees Ninety Five Thousand Only				
95	UPS and Battery bank ESSENTIAL / MANDATORY SPARES For UPS						
95.01	Set of semiconductor power fuses one of each rating	Set	1	6,000.00	-	-	6,000.00
			Rupees Six Thousand Only				
95.02	Set of Control fuses/MCBs one of each rating	Set	1	2,000.00	-	-	2,000.00
			Rupees Two Thousand Only				
95.03	Set of panel ventilation fans of each type	Nos	2	9,500.00	-	-	19,000.00
			Rupees Nine Thousand Five Hundreds Only				



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				Rate in Words			
95.04	Set of all PCBs used in UPS system including those for static bypass one of each type.	Set	1	1,65,000.00	-	-	1,65,000.00
				Rupees One Lakh Sixty Five Thousand Only			
95.05	Set of Input surge suppressor, DC filter capacitors (if used) on input side, harmonic suppression capacitors on AC output side required for one UPS	Set	1	1,18,900.00	-	-	1,18,900.00
				Rupees One Lakh Eighteen Thousand Nine Hundreds Only			
95.06	Set of auxiliary relays, control and selector switches, lamps, timers, meters etc. required for one UPS	Set	1	10,200.00	-	-	10,200.00
				Rupees Ten Thousand Two Hundreds Only			
95.07	Set of pulse transformer for IGBT gate drive required for one inverter bridge	Set	2	15,500.00	-	-	31,000.00
				Rupees Fifteen Thousand Five Hundreds Only			
95.08	Set of Input and output isolating devices	Set	2	16,400.00	-	-	32,800.00
				Rupees Sixteen Thousand Four Hundreds Only			
95.09	Set of AC current transformer, potential transformers, DC CTs of each rating	Set	1	11,000.00	-	-	11,000.00
				Rupees Eleven Thousand Only			
95.10	LED/indicating lamps (5 Nos pf each type)	Set	2	1,980.00	-	-	3,960.00
				Rupees One Thousand Nine Hundreds Eighty Only			
95.11	Set of static switch	No	1	49,980.00	-	-	49,980.00
				Rupees Forty Nine Thousand Nine Hundreds Eighty Only			
95.12	Inverter transformer	No	1	52,300.00	-	-	52,300.00
				Rupees Fifty Two Thousand Three Hundreds Only			
95.13	Set of temperature sensors of each type	No	2	4,980.00	-	-	9,960.00
				Rupees Four Thousand Nine Hundreds Eighty Only			
96	For Battery				-	-	-
96.01	Sapre cells	Nos	11	57,600.00	-	-	6,33,600.00
				Rupees Fifty Seven Thousand Six Hundreds Only			
96.02	Inter cell connector (one of each type)	Set	1	5,087.00	-	-	5,087.00
				Rupees Five Thousand Eighty Seven Only			
97	LIGHTING FIXTURES -ESSENTIAL / MANDATORY SPARES				-	-	-



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				Rate in Words			
97.01	Fixture type-A (18 Watt, LED Recessed Round Down lighter with presure Die cast Aluminium Housing with suitable Diffuser)	Nos	4	1,130.00	-	-	4,520.00
			Rupees One Thousand One Hundreds Thirty Only				
97.02	Fixture type-B (30Luminare with Extruded Aluminium powder coated finish, Polycarbonate diffuser suitable for srface and Suspension Mounting)	Nos	2	1,980.00	-	-	3,960.00
			Rupees One Thousand Nine Hundreds Eighty Only				
97.03	Fixture type-D (45 Watt LED Lumaninare with Extruded Aluminium housing, Splash proof / Corrosion proof Encloser, powder coated finish and Polystyrene / Polycarbonate diffuser suitable arrngment for srface and Suspension Mounting)	Nos	2	2,570.00	-	-	5,140.00
			Rupees Two Thousand Five Hundreds Seventy Only				
97.04	Fixture type-E (30 Watt Recessed mounted Indoor Decorative LED Lumaninare with Aluminium / CRCA housing with powder coated finish and polystyrene / Polycarbonate diffuser suitable for Ceiling Mounting.)	Nos	8	3,090.00	-	-	24,720.00
			Rupees Three Thousand Ninety Only				
98	GROUNDING AND LIGHTNING WORK (PART OF CIVIL WORK) - Lightning Protection						-
98.01	50X6mm GS Lightning Conductor (Roof Conductors and Vertical downcomers)	Mtrs	850	310.00	-	-	2,63,500.00
			Rupees Three Hundreds Ten Only				
98.02	126.7 sq mm copper conductor	Mtrs	40	400.00	-	-	16,000.00
			Rupees Four Hundreds Only				
99	3mm thick saddle suitable for						-
99.01	3mm thick saddle suitable for 50X6mm GS Conductor	Nos	550	95.00	-	-	52,250.00
			Rupees Ninety Five Only				
99.02	Earth Electrode (40f, 3000mm long copper road)	Nos	21	10,000.00	-	-	2,10,000.00
			Rupees Ten Thousand Only				
99.03	3mm thick GS spacer	Nos	550	45.00	-	-	24,750.00
			Rupees Forty Five Only				
99.04	10mm f, 50mm long round headed screw (GS), Bolts, Nuts and Washers	Nos	1100	23.00	-	-	25,300.00
			Rupees Twenty Three Only				
99.05	50X6mm thick, 110mm long GS link for test link with 2Nos 10mm dia 25mm long GS Screws, Nuts and Washers. GS Box enclosures, 6mm dia Anchor fastners etc.	Nos	21	2,130.00	-	-	44,730.00
			Rupees Two Thousand One Hundreds Thirty Only				
100	Estimated quantity of GS plates for conductor connections						-



Name of Work: Construction of Simulator Building-1&2 at Kakrapar Gujarat Site.
WO / SOQR Number : KAPS/CMM-W/1 - 2/SMU/CAP/2026/WO/90249

Agency Name : CIVILIS INFRA

Item No	Description	Unit	Quantity	Rate in ₹	Rebate in %	Rebated Rate	Amount in ₹
100.01	Type-B (125x70x6)	Nos	200	1,320.00	-	-	2,64,000.00
			Rupees One Thousand Three Hundreds Twenty Only				
100.02	Type-C (75x145x6)	Nos	50	1,200.00	-	-	60,000.00
			Rupees One Thousand Two Hundreds Only				
100.03	Type-D (125x145x6)	Nos	10	1,980.00	-	-	19,800.00
			Rupees One Thousand Nine Hundreds Eighty Only				
100.04	Type-E (75x220x6)	Nos	60	2,645.00	-	-	1,58,700.00
			Rupees Two Thousand Six Hundreds Forty Five Only				
100.05	35X6X130 mm long copper plate lug	Nos	21	380.00	-	-	7,980.00
			Rupees Three Hundreds Eighty Only				

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

Work Order Total	₹ 8,10,14,112.00
Overall Rebate (%)	0
Work Order Value After Overall Rebate in Figure	₹ 8,10,14,112.00
Work Order Value After Overall Rebate in Words	Rupees Eight Crore Ten Lakh Fourteen Thousand One Hundreds Twelve Only

22/01/2026

Ram Murat Ram.
DGM(In-charge)
C&M Works group.

