EXHIBIT 10.3

CERTAIN CONFIDENTIAL PORTIONS OF THIS EXHIBIT HAVE BEEN OMITTED AND REPLACED WITH "[***]". SUCH IDENTIFIED INFORMATION HAS BEEN EXCLUDED FROM THIS EXHIBIT BECAUSE IT IS (I) NOT MATERIAL AND (II) WOULD LIKELY CAUSE COMPETITIVE HARM TO THE COMPANY IF DISCLOSED.

1. THIS CONTRACT IS A RATED ORDER

2. CONTRACT (Proc. Inst. Ident.) NO. W911QY20C0100

3. EFFECTIVE DATE 09 Aug 2020

4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 001184063

5. ISSUED BY CODE W911QY

6. ADMINISTERED BY (If other than item 5) CODE [***]

7. NAME AND ADDRESS OF CONTRACTOR (Inc., street, city, county, state and zip code) MODERNATX, INC.

8. DELIVERY [ ] FOB ORIGIN [ X ] OTHER (See below)

9. DISCOUNT FOR PROMPT PAYMENT [***]

10. SUBMIT INVOICES [■] ITEM 

11. SHIP TO/MARK FOR CODE [***]

12. PAYMENT WILL BE MADE BY CODE MG0337

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: [ X ] 10 U.S.C. 2304(c)(2) [ ] 41 U.S.C. 253(c)(2)

14. ACCOUNTING AND APPROPRIATION DATA

15A. ITEM NO. 15B. SUPPLIES/ SERVICES

15C. QUANTITY 15D. UNIT 15E. UNIT PRICE 15F. AMOUNT

SEE SCHEDULE

16. TABLE OF CONTENTS

17. [ ] CONTRACTORS NEGOTIATED AGREEMENT Contractor is required to sign this document and forward a copy to issuing office. Contractor agrees to furnish all items or perform all the services as set forth or otherwise identified above and on any extensions sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein.

18. [ ] SEALED-BID AWARD (Contractor is not required to sign this document.) Your bid or Solicitation Number W911QY20R0043

19A. NAME AND TITLE OF SIGNER (Type or print) Stéphane Bancel, CEO

19B. NAME OF CONTRACTOR

BY /s/ Stéphane Bancel (Signature of person authorized to sign) 8/11/2020

19C. DATE SIGNED 19D. UNITED STATES OF AMERICA

20A. NAME OF CONTRACTING OFFICER CONNELL-MAGAW, CAMILLE / BRANCH CHIEF

20B. UNITED STATES OF AMERICA

20C. D

STANDARD II

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https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm 1/132
Section A - Solicitation/Contract Form

A.1 The U.S. Army Contracting Command - Aberdeen Proving Ground (ACC-APG), Natick Division has a requirement for up to 500 million SARS-CoV-2 mRNA-1273 Vaccine doses (100 μg) in support of Joint Program Executive Office - Chemical Biological Radiological Nuclear Defense (JPEO-CBRND), the Assistant Secretary for Preparedness and Response (ASPR), and Biomedical Advanced Research and Development Authority (BARDA). All doses of mRNA-1273 Vaccine referenced herein are 100 μg doses. All doses will be delivered in a multi-dose vial with a volume sufficient for 10 doses per vial.
### Section B - Supplies or Services and Prices

<table>
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<td>FFP</td>
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The contractor shall produce and deliver 100M doses of the SARS-CoV-2 mRNA-1273 Vaccine filled drug product (FDP), IAW Section C, Statement of Work (SOW) and CDRLs (Exhibit A) on this contract.

**PROJECT:** Operation Warp Speed

**NET AMT**

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<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
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FOB: Origin (Shipping Point)

**PURCHASE REQUEST NUMBER:** 0011534693

**PROJECT:** Operation Warp Speed

**PSC CD:** 6505

**NET AMT** $183,750,000.00

**ACRN AA**

**CIN:** GFEB5001153469300001

**NET AMT** $183,750,000.00
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**NET AMT**

$404,250,000.00

ACRN AA

CIN: GFEB5001153469300004

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**NET AMT**

$0.00

a. The contractor shall secure, manage and maintain storage for up to 100M doses of mRNA-1273 vaccine and deliver to the designated government facility in accordance with Section F.

b. ***

FOB: Destination

PROJECT: Operation Warp Speed

PSC CD: 6505
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<td>This is an incentive CLIN and will be earned only if an Emergency Use Authorization (EUA) or Biologics License Application (BLA) is obtained no later than 31 January 2021. PROJECT: Operation Warp Speed</td>
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If earned, this incentive shall be paid at final acceptance of subCLIN 0001AB.

FOB: Destination
PSC CD: 6505

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If earned, this incentive shall be paid at final acceptance of subCLIN 0001AC.

FOB: Destination
PSC CD: 6505

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If earned, this incentive shall be paid at final acceptance of subCLIN 0001AD.

FOB: Destination
PSC CD: 6505

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NET AMT $66,000

NET AMT $90,000

NET AMT $99,000
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<td>The contractor shall deliver technical Data IAW Contract Data Requirements List (CDRL) IAW deliveries in Section C.4 and Section J, Exhibit A. FOB: Destination PROJECT: Operation Warp Speed PSC CD: 6505</td>
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| NET AMT |

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<td>SARS-CoV-2 mRNA-1273 Vaccine</td>
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| NET AMT |

https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm
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<td>a. If executed, the option shall be awarded upon EUA or no later than [***].</td>
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<td>b. The government shall provide [***] notification to exercise the option.</td>
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https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm
ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
---------|-------------------|----------|------|------------|--------|
1001 AC  | 33.4M Doses       | 33,400,000 | Each | $16.50     | $551,100,000.00 |

OPTION

- a. If executed, the option shall be awarded upon EUA or no later than [***].
- b. The government shall provide [***] notification to exercise the option.

FOB: Destination
PROJECT: Operation Warp Speed
PSC CD: 6505

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NET AMT: $551,100,000.00

ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
---------|-------------------|----------|------|------------|--------|
1002     | Vendor Managed Inventory | 1 | Job | $0.00 TBN | $0.00 |

OPTION

- a. The contractor shall secure, manage and maintain storage for up to 100M doses of mRNA-1273 vaccine and deliver to the designated government facility in accordance with Section F.
- b. [***]

FOB: Destination
PROJECT: Operation Warp Speed
PSC CD: 6505

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**NET AMT**

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**NET AMT**

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<td>The contractor shall produce and deliver 100M doses of the SARS-CoV-2 mRNA-1273 Vaccine filled drug product (FDP), IAW Section C, Statement of Work (SOW) and CDRLs (Exhibit A) on this contract.</td>
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<td>PROJECT:</td>
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**NET AMT**
### ITEM NO 3001AA
**SUPPLIES/SERVICES**: 33.4M Doses FFP  
**QUANTITY**: 33,400,000 Each  
**UNIT PRICE**: $16.50  
**AMOUNT**: $551,100,000.00  
**OPTION**: 33.4M Doses FFP  
- a. If executed, the option shall be awarded upon EUA or no later than [***].  
- b. The government shall provide [***] notification to exercise the option.  
**FOB**: Destination  
**PROJECT**: Operation Warp Speed  
**PSC CD**: 6505  
**NET AMT**: $551,100,000.00

### ITEM NO 3001AB
**SUPPLIES/SERVICES**: 33.4M Doses FFP  
**QUANTITY**: 33,400,000 Each  
**UNIT PRICE**: $16.50  
**AMOUNT**: $551,100,000.00  
**OPTION**: 33.4M Doses FFP  
- a. If executed, the option shall be awarded upon EUA or no later than [***].  
- b. The government shall provide [***] notification to exercise the option.  
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**PROJECT**: Operation Warp Speed  
**PSC CD**: 6505  
**NET AMT**: $551,100,000.00
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**OPTION**

FFP

a. If executed, the option shall be awarded upon EUA or no later than [***].
b. The government shall provide [***] notification to exercise the option.

FOB: Destination

PROJECT: Operation Warp Speed

PSC CD: 6505

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| NET AMT | $547,800.00 |

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**OPTION**

FFP

The contractor shall secure, manage and maintain storage for up to 100M doses of mRNA-1273 vaccine and deliver to the designated government facility in accordance with Section F.

b. [***]

FOB: Destination

PROJECT: Operation Warp Speed

PSC CD: 6505

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<p>| NET AMT | $0.00 |</p>
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https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm
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ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
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4002 | Vendor Managed Inventory | 1 | Job | $0.00 TBN |

The contractor shall secure, manage and maintain storage for up to 100M doses of mRNA-1273 vaccine and deliver to the designated government facility in accordance with Section F.

b. [***]

FOB: Destination

PROJECT: Operation Warp Speed

PSC CD: 6505

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NET AMT
STATEMENT OF WORK
LARGE SCALE PRODUCTION OF SARS-CoV-2 VACCINE

C.1 SCOPE. The Department of Defense and Health and Human Services (HHS) require large scale manufacturing of vaccine doses in support of the national emergency response to the Coronavirus Disease 2019 (COVID-19) for the United States Government (USG) and the US population.

C.1.1 Background. In December 2019, a novel coronavirus now known as SARS-CoV-2 was first detected in Wuhan, Hubei Province, People’s Republic of China, causing outbreaks of the coronavirus disease COVID-19 that has now spread globally. The Secretary of Health and Human Service declared a public health emergency on January 31, 2020, under section 319 of the Public Health Service Act (42 U.S.C. 247d), in response to COVID-19. On March 1, 2020, the President of the United States, pursuant to sections 01 and 301 of the National Emergencies Act (50 U.S.C. 1601 et seq.) and consistent with section 1135 of the Social Security Act (SSA), as amended (42 U.S.C. 1320b-5), proclaimed that the COVID-19 outbreak in the United States constitutes a national emergency.

C.1.1.1 Under Operation Warp Speed (OWS), the Department of Defense and HHS are leading a whole of nation effort to ensure development of promising vaccine, diagnostic and therapeutic candidates and ensure that these medical countermeasures are available in the quantities required to reduce SARS-CoV-2 transmission, identify prior and/or current infection, and improve patient care, thereby mitigating the impact of COVID-19 on the nation and its people. The DoD Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense (JPEO-CBRD) is providing expertise and contracting support to HHS, in compliance with PL 115-92 Authorization Letter for DoD Medical Priorities, through an Interagency Agreement, signed April 23, 2020. As OWS products progress to clinical trials to evaluate the safety and efficacy of vaccines and therapeutics, it is critical that, in parallel, the USG supports large scale manufacturing so that vaccine doses or therapeutic treatment courses are immediately available for nationwide access as soon as a positive efficacy signal is obtained and the medical countermeasures are authorized for widespread use.

C.1.2 Objective: The objective of this effort is to obtain the following:
   a. Base Period: Large scale manufacturing of 100 million vaccine doses
   b. Option Period 1: Large scale manufacturing of 100 million vaccine doses
   c. Option Period 2: Large scale manufacturing of 100 million vaccine doses
   d. Option Period 3: Large scale manufacturing of 100 million vaccine doses
   e. Option Period 4: Large scale manufacturing of 100 million vaccine doses

The Base Period is 9 months, with overlapping options for a total of 20 months if all options are exercised.

C.2 APPLICABLE DOCUMENTS.

C.2.1 Federal Documents:

C.2.1.1 Title 21 Code of Federal Regulations (CFR), Food and Drugs: Part 210, Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General; and, Part 211, Current Good Manufacturing Practice In Manufacturing, Processing, Packing, or Holding of Drugs; General.

(https://www.ecfr.gov/cgi-bin/text-idx?SID=a95cab20f43897a400bb7e44a26f4c&mc=true&tpl=/ecfrbrowse/Title21/21cfrv4_02.tpl#0)

C.3 REQUIREMENTS. Independently, and not as an agent of the USG, in accordance with the Proposal submitted by ModernaTX, Inc. in response to Solicitation Number W911QY20R0043, Titled, “Advanced Procurement of mRNA-1273 Vaccine for Prevention of SARS-CoV-2 Coronavirus (COVID-19)”, dated July 10, 2020 (and any subsequent USG-approved revisions thereto), the contractor shall provide all necessary services,
qualified personnel, material, equipment and facilities (not otherwise provided by the USG under the terms of this contract) to perform the specific tasks set forth below.

C.3.1 Contract Line Item Number (CLIN) 0001 - Base Period: Large Scale Manufacturing of 100 Million Vaccine Doses

C.3.1.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million Final Drug Product (FDP) doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include, the following tasks and other activities reasonably contemplated by such task:

C.3.1.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.1.1.2 cGMP manufacturing of 100 million doses fully compliant with 21 CFR 210 and 211.

C.3.1.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated as appropriate.

C.3.1.1.4 Coordinating with FDA to establish an approved commercial vial label, carton and packaging insert (printed or electronic).

C.3.1.1.5 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements, subject to any exceptions established by or the enforcement discretion of the FDA, including “Exemption from Certain Product Tracing and Product Identification Requirements Under Section 582 of the FD&C Act” (April 2020).

C.3.1.1.6 In coordination with the USG, the contractor shall conduct a demonstration of the vaccine shipping process prior to the first delivery of FDP doses at a time mutually agreed to by the contractor and the USG. Moderna shall provide specifications and details associated with the shipping process and containers (IAW CDRL A005) to enable the USG to adequately plan and prepare for potential distribution of the vaccine.

C.3.1.1.7 Following release of product the contractor shall, promptly deliver product to the designated delivery site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. In the unforeseen event that a designated delivery site cannot receive product and the contractor provides storage beyond 20 days of product release, the contract will be subject to modification for acceptance purposes.

C.3.1.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.1.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.1.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and Contracting Officer’s Representative (COR) within [***] of a scheduled FDA audit or within [***] of an ad hoc site visitor audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A002. The Contractor shall
provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.1.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.2 CLIN 1001 - Option Period 1: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.2.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.2.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.2.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.2.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.2.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.2.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site’s ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.2.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.2.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.2.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and COR within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A015. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.2.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but
not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.3 CLIN 2001 - Option Period 2: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.3.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.3.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.3.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.3.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated as appropriate.

C.3.3.1.4 Ensuring that the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.3.1.5 Following release the contractor shall deliver product to the nearest designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site's ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.3.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.3.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.3.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and COR within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A002. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.3.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologies for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.4 CLIN 3001 - Option Period 3: Large Scale Manufacturing of 100 Million Vaccine Doses.
C.3.4.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.4.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.4.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.4.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.4.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.4.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site's ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.4.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.4.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.4.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and COR within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A015. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.4.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding mRNA-1273 for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.5 CLIN 4001 - Option Period 4: Large Scale Manufacturing of 100 Million Vaccine Doses

C.3.5.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:
C.3.5.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.5.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.5.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.5.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 22013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.5.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site’s ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.5.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.5.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.5.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and COR within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A015. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.5.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.4 CLIN 0002: Data Deliverables. The contractor shall provide the following in accordance with the Contract Data Requirements List (CDRL), DD Forms 1423, provided at Appendix A.

C.4.1 Monthly Inventory Report (CDRL A003), detailing at a minimum, raw materials, Bulk mRNA, formulated LNPs, and the fill, finish, and released product.

C.4.2 Quality Management Plan. The contractor shall provide a Quality Management Plan, in accordance with CDRL A004, describing the quality policy and objectives, management review, competencies and training, process document control, feedback, evaluation, corrective action and preventive action, process improvement, measurement, and data analysis processes. The framework is normally divided into infrastructure, senior
management responsibility, resource management, lifecycle management, and quality management system evaluation.

C.4.3 Shipping Documentation (CDRL A005) for all Finished Drug Product (FDP) transferring from the contractor’s fill/finish facility to a USG facility. The contractor shall obtain concurrence on planned shipment protocols prior to transport.

C.4.4 Expiring Items Report (CDRL A006) for all FDP in the USG’s possession.

C.4.5 Key Personnel Listing (CDRL A007).

C.4.6 Monthly Technical Progress Report (CDRL A008), to include an Integrated Master Schedule, identifying key activities and contract status.

C.4.7 Final Technical Report (CDRL A009), documenting the work performed and results obtained for the entire contract period of performance.

C.4.8 Supply Chain Resiliency Plan (SCRP). The contractor shall provide, in accordance with CDRL A010 and CDRL Attachment 0001, a comprehensive SCRP that provides for identification and reporting of critical components associated with the secure supply of drug substance, drug product, and work-in-process through to finished goods, and key equipment suppliers and their locations, including addresses, points of contact, and work performed per location, to include subcontracts.

C.4.9 Risk Management Plan (RMP). The Contractor shall provide an RMP in accordance with CDRL A011 that outlines the impacts of each risk in relation to the cost, schedule, and performance objectives. The plan shall include risk mitigation strategies. Each risk mitigation strategy shall capture how the corrective action will reduce impacts on cost, schedule and performance.

C.4.10 Manufacturing Reports and Dose Tracking. The Contractor shall provide, in accordance with CDRL A013, manufacturing reports and manufacturing dose tracking projections and actuals utilizing the USG-provided “COVID-19 Dose Tracking Template” (CDRL Attachment 0003).

C.4.11 Product Acceptance Report (for each lot of Drug Product). The contractor shall provide, in accordance with CDRL A014, pictures of the drug product with lot number, drug product lot tree, list of associated deviations (from drug substance and product), and a Certificate of Analysis.

C.4.12 Incident Report. The contractor shall communicate to BARDA and document all critical programmatic concerns, issues, or probable risks that have or are likely to significantly impact project schedule and/or cost and/or performance in accordance with CDRL A016. “Significant” is frequently defined as a 10% or greater cost or schedule variance within a control account, but should be confirmed in consultation with the COR. Incidents that present liability to the project even without cost/schedule impact, such as breach of GCP during a clinical study, shall also be reported.

C.4.13 FDA Correspondence. The contractor shall provide any correspondence between Contractor and FDA relevant to the scope of this contract and submit in accordance with CDRL A017.

C.4.14 Press Releases. The contractor shall accurately and factually represent the work conducted under this contract in all press releases. The contractor shall provide an advance copy of any press release in accordance with CDRL A018.

C.5 Administration.

C.5.1 Post Award Teleconference. The contractor shall host a Post Award Teleconference within 7 calendar days after contract award.

C.5.1.1 The contractor shall provide an Agenda, IAW CDRL A020, detailing the planned activities for the subsequent 30 calendar days and shall discuss agenda items for the Post Award Kickoff Meeting.

C.5.1.2 The contractor shall provide Meeting Minutes IAW CDRL A021.

C.5.2 Post Award Kickoff Meeting. The contracting officer may request the contractor host a contract Kick-Off Meeting within 30 calendar days after contract award via teleconference. The contracting officer shall establish the date and time of the conference and prepare the agenda to include discussion on contract activities and schedule.

C.5.3 Bi-Weekly Teleconference. The contractor shall participate in bi-weekly teleconferences (or more frequent meetings required by the USG if warranted based on contract activities) to discuss performance on the contract.

C.5.4 The contractor shall provide an Agenda, IAW CDRL A020; Meeting Minutes in accordance with CDRL A021; and, Presentation Material in accordance with CDRL A022 for each of the aforementioned teleconferences or meetings throughout the contract period of performance.

C.5.5 Daily “Check-In”. The contractor shall participate in a daily “check-in” (via teleconference or email) to address key cost, schedule and technical updates. Daily updates may be shared with senior USG leaders during the COVID-19 response and should be provided on a non-confidential basis, unless the update includes confidential information in which case, the contractor shall provide the update in both confidential and non-confidential formats. Daily check-ins may occur on weekdays, excluding federal holidays. Upon request of the USG, check-ins may also occur on weekends and on federal holidays, provided at least 24 hours’ notice.

C.6 Security.

C.6.1 Access and General Protection/Security Policy and Procedures. The contractor shall provide all information required for background checks necessary to access critical information related to OWS, and to meet USG installation access requirements to be accomplished by the installation Director of Emergency Services or Security Office. The contractor employees shall comply with all personnel identity verification requirements as directed by the USG and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the security status of OWS change the USG may require changes in the contractor’s security matters or processes. In addition to the industry standards for employment background checks, the contractor shall be willing to have key individuals, in exceptionally sensitive positions, identified for additional vetting by the United States USG.

C.6.2 Security Program and Plan. The contractor shall implement a comprehensive security program that provides overall protection of personnel, information, data, and facilities associated with fulfilling the USG’s requirement. The contractor’s security practices and procedures shall be detailed in a Security Plan, in accordance with CDRL A019, and shall demonstrate how the contractor shall meet and adhere to the security requirements outlined in CDRL Attachment 0002. This plan shall be delivered to the USG within 45 days of award, and the USG will review in detail and submit comments within ten (10) business days to the Contracting Officer (CO) to be forwarded to the Contractor. The Contractor shall review the Security Plan comments, and, submit a final Security Plan to the U.S. USG within thirty (30) calendar days after receipt of the comments. The Security Plan shall include a timeline for compliance of all the required security measures outlined in CDRL Attachment 0002.

C.6.3 Operational Security (OPSEC). The contractor shall develop and submit an OPSEC Standard Operating Procedure (SOP)/Plan IAW CDRL A024. The contractor shall identify in the SOP/Plan critical information related to this contract, why it needs to be protected, where it is located, who is responsible for it, and how to protect it.
C.7 CLIN 0002 Vendor Managed Inventory (VMI). The Contractor shall provide the capability to store the vaccine for up to 52 weeks, up to 100M doses of mRNA-1273 vaccine, in accordance with product labeling. The contractor shall, in accordance with paragraph C.3.1.1.6, ensure the product storage of FDP doses for up to 12 months prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. [***]. The contractor shall store the product to ensure product quality with audible alarms and contacting. The contractor shall notify the USG within [***] of detection of an incident with the potential to impact product quality, and implement corrective actions to mitigate the incident. BARDA/JPEO-CBRND personnel may conduct Quality Audits of the storage facility, when deemed necessary. The contractor shall notify the USG of Corrective/Preventive actions within [***] of detection of an incident with potential to impacts product quality. BARDA/JPEO-CBRND personnel may conduct Quality Audits of the storage facility, when deemed necessary.

C.7.1 The USG will provide the contractor advance notice of the required delivery locations for the vaccine. The contractor shall ship mRNA-1273 vaccines to designated locations [***] in the United States. The contractor shall be responsible for all vaccine product whether acceptance is conducted at origin or destination. [***].

C.7.2 The vaccine product shall be shipped and tracked by the distribution vendor’s shipping tracking number, to the USG-designated sites within the continental United States.

C.7.3 [***]. Implementation of a Vendor Managed Inventory Plan/SOP (CDRL A012) shall be provided to the USG. [***]. Notwithstanding either of the foregoing sentences, the contractor shall not be liable for loss of or damage to supplies caused by the negligence of officers, agents, or employees of the USG acting within the scope of their employment.
Section D - Packaging and Marking

D.1 Vaccine markings and labeling will be in accordance with FDA and will be finalized through a contract modification.
Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

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CLAUSES INCORPORATED BY REFERENCE

52.246-16 Responsibility For Supplies APR 1984

E1. Inspection:
Initial quality inspection of Filled Drug Product (FDP) shall occur when the Contractor performs release testing to confirm that products comply with Contractor’s release specifications and criteria. Contractor will submit in WAWF to the Contracting Officer or the duly authorized representative of the Government with a Certificate of Analysis for quality inspection of all deliverables. Initial Inspection under this contract will be performed at the Contractor’s facility, or the subcontractor facility, by the BARDA Contracting Officer Technical Representative (COTR).

Final inspection of product shall occur when the Government inspects each shipment of product delivered to it hereunder for visible damage and quantity within [***] of such delivery. In the event Contractor supplies any product to the Government and it is established that such Product was damaged or does not include the required quantities at the time of delivery, the Government shall promptly notify Contractor in writing within [***]. Final inspection shall be conducted at the CDC location identified as destination.

In the event the USG requires storage of the FDP to a Vendor Managed Inventory (VMI) location, final quantity inspection shall be conducted by submission into WAWF of shipping or other documentation confirming quantity to VMI location. Final physical inspection of the FDP shall be conducted upon receipt of product to USG location.

Inspection of all reports and Contract Data Requirement List (CDRL) under this contract will be performed at Destination by duly authorized representative of the Government.

E.2 Acceptance

a. Acceptance at origin shall occur at [***]. Acceptance at destination shall occur [***]. Regardless of where acceptance occurs, the contractor is responsible for final delivery of Filled Drug Product (FDP) to a government designated CDC location.

b. Acceptance under this agreement will be performed by Army Contracting Command Aberdeen Proving Ground (ACC-APG) Natick Contracting Division (NCD) Contracting Officer.

c. Acceptance of services under VMI SubCLINs (List CLINS) shall occur upon satisfactory physical and quantity inspection of FDP upon delivery at USG designated CDC location.

d. The parties acknowledge that acceptance may depend on the compliance with the Contractor’s product specifications. The KO and COR may prior to acceptance consult with FDA under its authority under Public Law 115-92 to determine whether the material to be delivered meets the Contractor’s product specifications. To this end, Contractor agrees to provide a letter to FDA authorizing the Government to engage in dialog with FDA about the ultimate compliance of this product with the Contractor’s product specifications prior to acceptance. BARDA/COR will accept product according to the approved Product Acceptance Procedure.
Section F - Deliveries or Performance

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<td>Destination</td>
<td>N/A FOB:</td>
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</tbody>
</table>

CLAUSES INCORPORATED BY REFERENCE
F.1 The contractor shall ship mRNA-1273 vaccines to designated locations [***] in the United States. The contractor shall be responsible for secure shipment of all vaccine product whether acceptance is conducted at origin or destination.

<table>
<thead>
<tr>
<th>Clause</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>52.211-17</td>
<td>Delivery of Excess Quantities</td>
<td>SEP 1989</td>
</tr>
<tr>
<td>52.242-15</td>
<td>Stop-Work Order</td>
<td>AUG 1989</td>
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<tr>
<td>52.247-34</td>
<td>F.O.B. Destination</td>
<td>NOV 1991</td>
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ACCOUNTING AND APPROPRIATION DATA

AA: 021202202121090000664643255  S.0074658.5.6  6100.9000021001
COST CODE: A5XAH
AMOUNT: $955,500,000.00

AB: 021202202121090000664643255  S.0074658.5.6.1  6100.9000021001
COST CODE: A5XAH
AMOUNT: $269,500,000.00

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<td>$269,500,000.00</td>
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CLauses Incorporated by Reference

252.204-7006 Billing Instructions OCT 2005
252.232-7003 Electronic Submission of Payment Requests and Receiving Reports DEC 2018

Clauses Incorporated by Full Text

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (DEC 2018)

(a) Definitions. As used in this clause—

"Department of Defense Activity Address Code (DoDAAC)" is a six position code that uniquely identifies a unit, activity, or organization.

"Document type" means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

"Local processing office (LPO)" is the office responsible for payment certification when payment certification is done external to the entitlement system.

"Payment request" and "receiving report" are defined in the clause at 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(b) Electronic invoicing. The WAWF system provides the method to electronically process vendor payment requests and receiving reports, as authorized by Defense Federal Acquisition Regulation Supplement (DFARS) 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall—
(1) Have a designated electronic business point of contact in the System for Award Management at https://www.sam.gov; and

(2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this website.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the “Web Based Training” link on the WAWF home page at https://wawf.eb.mil/.

(e) WAWF methods of document submission. Document submissions may be via web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor shall use the following information when submitting payment requests and receiving reports in WAWF for this contract or task or delivery order:

(1) Document type. The Contractor shall submit payment requests using the following document type(s):

COMBO

(ii) For fixed price line items—

(A) That require shipment of a deliverable, submit the invoice and receiving report specified by the Contracting Officer.

Invoice and receiving report document type

(B) For services that do not require shipment of a deliverable, submit either the Invoice 2in1, which meets the requirements for the invoice and receiving report, or the applicable invoice and receiving report, as specified by the Contracting Officer.

N/A

(iii) For customary progress payments based on costs incurred, submit a progress payment request.

(iv) For performance based payments, submit a performance based payment request.

(v) For commercial item financing, submit a commercial item financing request.

(2) Fast Pay requests are only permitted when Federal Acquisition Regulation (FAR) 52.213-1 is included in the contract.

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table

<table>
<thead>
<tr>
<th>Field Name in WAWF</th>
<th>Data to be entered in WAWF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pay Official DoDAAC</td>
<td>HQ0337</td>
</tr>
<tr>
<td>Issue By DoDAAC</td>
<td>W911QY</td>
</tr>
<tr>
<td>Admin DoDAAC**</td>
<td>S2206A</td>
</tr>
</tbody>
</table>
(4) Payment request. The Contractor shall ensure a payment request includes documentation appropriate to the type of payment request in accordance with the payment clause, contract financing clause, or Federal Acquisition Regulation 52.216-7, Allowable Cost and Payment, as applicable.

(5) Receiving report. The Contractor shall ensure a receiving report meets the requirements of DFARS Appendix F.

(g) WAWF point of contact.

(1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity’s WAWF point of contact.

[***] / DCMA Boston-AFAW, Administrative Contracting Officer / [***]

(2) Contact the WAWF helpdesk at [***], if assistance is needed.

(End of clause)

FOR REFERANCE:

DFARS PGI 204.7108 Payment Instructions Table

https://www.acq.osd.mil/dpap/dars/pgi/pgi_htm/current/PGI204_71.htm#payment_instructions

G.1 GOVERNMENT CONTRACT ADMINISTRATION

In no event shall any understanding or agreement, contract modification, change order, or other matter in deviation from the terms of this contract between the Contractor and a person other than the Contracting Officer be effective or binding upon the Government. All such actions must be formalized by a proper contractual document executed by the Contracting Officer.

Procuring Contracting Officer:

[***]

Bldg. 1, General Green Avenue
Natick, MA 01765-5011

Contract Specialist:
G.2 GOVERNMENT TECHNICAL POINT OF CONTACT

[***]
Biologist/Project Officer
200 C Street, NW
Washington, DC 20201

G.3 CONTRACTOR'S CONTRACT ADMINISTRATION

[***]
ModernaTX, Inc.
200 Technology SQ.
Cambridge, MA 02139-3578

G.4 PLACES OF PERFORMANCE

ModernaTX, Inc.
200 Technology SQ.
Cambridge, MA 02139-3578

G.5 NOTIFICATION OF REVISIONS AND CHANGE

Notification of revision or changes to names or email addresses will be provided by official correspondence from the PCO/ACO or office of the PCO/ACO in lieu of a contract modification. This does not apply to any such revisions or changes in the event this contract includes a key personnel clause.

G.6 PERFORMANCE BASED PAYMENT

Performance-based payments (PBP) are authorized under this contract in accordance with FAR 52.232-32. The contractor shall bill for the PBP upon achievement of the completion criteria identified in Attachment 0008, Performance-based Payment Milestone Table. Upon achievement of the completion criteria, the contractor shall bill for the PBP for the base and each option IAW the following schedule:

<table>
<thead>
<tr>
<th>CLIN</th>
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<th>AMOUNT</th>
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<td>TOTAL</td>
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<td>$601,400,000</td>
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[***]
Delivery Invoicing: PBPs are a type of contract financing and are recouped by the Government through deductions of payments otherwise due to the contractor for the partial or complete delivery of contract items. The deductions are made by applying a liquidation rate to the price of delivered contract items. Attachment 0009, Performance-based Payment Milestone Billing Plan, identifies the contractor invoicing schedule for liquidation. The contractor shall submit all invoices IAW Attachment 0009.
Section H - Special Contract Requirements

H.1 Key Personnel

Any key personnel specified in this contract are considered to be essential to work performance. At least thirty (30) calendar days prior to the Contractor voluntarily diverting any of the specified individuals to other programs or contracts the Contractor shall notify the Contracting Officer and shall submit a justification for the diversion or replacement and a request to replace the individual. The request must identify the proposed replacement and provide an explanation of how the replacement's skills, experience, and credentials meet or exceed the requirements of the contract (including, when applicable, Human Subjects Testing requirements). If the employee of the Contractor is terminated for cause or separates from the Contractor voluntarily with less than thirty (30) calendar-day notice, the Contractor shall provide the maximum notice practicable under the circumstances. The Contractor shall not divert, replace, or announce any such change to key personnel without the written consent of the Contracting Officer. The contract will be modified to add or delete key personnel as necessary to reflect the agreement of the parties. The following individuals are determined to be key personnel:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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H.2 Substitution of Key Personnel

The Contractor agrees to assign to the contract those persons whose resumes/CVs were submitted with the proposal who are necessary to fill the requirements of the contract. No substitutions shall be made except in accordance with this clause.

All requests for substitution must provide a detailed explanation of the circumstance necessitating the proposed substitution, a complete resume for the proposed substitute and any other information requested by the contracting officer to approve or disapprove the proposed substitution. All proposed substitutes must have qualifications that are equal to or higher than the qualifications of the person to be replaced. The contracting officer or authorized representative will evaluate such requests and promptly notify the contractor of his approval or disapproval thereof.

H.3 Disclosure of Information:

Performance under this contract may require the Contractor to access non-public data and information proprietary to a Government agency, another Government Contractor or of such nature that its dissemination or use other than as specified in the work statement would be adverse to the interests of the Government or others. Neither the Contractor, nor Contractor personnel, shall divulge nor release data or information developed or obtained under performance of this contract, except authorized by Government personnel or upon written approval of the CO which the KO will provide in accordance with OWS or other Government policies and/or guidance. The Contractor shall not use, disclose, or reproduce proprietary data that bears a restrictive legend, other than as specified in this contract, or any information at all regarding this agency.

The Contractor shall comply with all applicable Government requirements for protection of non-public information. Unauthorized disclosure of nonpublic information is prohibited by the Government’s rules. Unauthorized disclosure may result in termination of the contract, replacement of a Contractor employee, or other appropriate redress.

Neither the Contractor nor the Contractor’s employees shall disclose or cause to be disseminated, any information concerning the operations of the activity, which could result in, or increase the likelihood of, the possibility of a breach of the activity’s security or interrupt the continuity of its operations.
No information related to data obtained under this contract shall be released or publicized without the prior written consent of the COR, whose approval shall not be unreasonably withheld, conditioned, or delayed, provided that no such consent is required to comply with any law, rule, regulation, court ruling or similar order; for submission to any government entity for submission to any securities exchange on which the Contractor’s (or its parent corporation’s) securities may be listed for trading; or to third parties relating to securing, seeking, establishing or maintaining regulatory or other legal approvals or compliance, financing and capital raising activities, or mergers, acquisitions, or other business transactions. The exceptions identified in this paragraph apply to all disclosures under this Section H.3 except to the extent that a disclosure is otherwise prohibited by law.

H.4 Publication and Publicity

The contractor shall not release any reports, manuscripts, press releases, or abstracts about the work being performed under this contract without written notice in advance to the Government.

(a) Unless otherwise specified in this contract, the contractor may publish the results of its work under this contract. The contractor shall promptly send a copy of each submission to the COR for security review prior to submission. The contractor shall also inform the COR when the abstract article or other publication is published, and furnish a copy of it as finally published.

(b) Unless authorized in writing by the CO, the contractor shall not display the DoD logo including Operating Division or Staff Division logos on any publications.

(c) The contractor shall not reference the product(s) or service(s) awarded under this contract in commercial advertising, as defined in FAR 31.205-1, in any manner which states or implies DoD approval or endorsement of the product(s) or service(s) provided.

(d) The contractor shall include this clause, including this section (d) in all subcontracts where the subcontractor may propose publishing the results of its work under the subcontract. The contractor shall acknowledge the support of the Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response, Biomedical Advanced Research and Development Authority whenever publicizing the work under this contract in any media by including an acknowledgement substantially as follows:

“This project has been funded in whole or in part with Federal funds from the Office of the Assistant Secretary for Preparedness and Response, Biomedical Advanced Research and Development Authority, under Contract Number W911QY-20-C-0100.”

H.5 Confidentiality of Information

a. Confidential information, as used in this article, means non-public information or data of a personal nature about an individual, or proprietary information or data submitted by or pertaining to an institution or organization.

b. The Contracting Officer and the Contractor may, by mutual consent, identify elsewhere in this contract specific information and/or categories of information which the Government will furnish to the Contractor or that the Contractor is expected to generate which is confidential. Similarly, the Contracting Officer and the Contractor may, by mutual consent, identify such confidential information from time to time during the performance of the contract. Failure to agree will be settled pursuant to the “Disputes” clause.

c. If it is established elsewhere in this contract that information to be utilized under this contract, or a portion thereof, is subject to the Privacy Act, the Contractor will follow the rules and procedures of disclosure set forth in the Privacy Act of 1974, 5 U.S.C. 552a, and implementing regulations and policies, with respect to systems of records determined to be subject to the Privacy Act.

d. Confidential information, as defined in paragraph (a) of this article, shall not be disclosed without the prior written consent of the individual, institution, or organization.
e. Whenever the Contractor is uncertain with regard to the proper handling of material under the contract, or if the material in question is subject to the Privacy Act or is confidential information subject to the provisions of this article, the Contractor shall obtain a written determination from the Contracting Officer prior to any release, disclosure, dissemination, or publication.

f. Contracting Officer Determinations will reflect the result of internal coordination with appropriate program and legal officials.

g. The provisions of paragraph (d) of this article shall not apply to conflicting or overlapping provisions in other Federal, State or local laws.

ALL REQUIREMENTS OF THIS SECTION H.5 MUST BE PASSED TO ALL SUB-CONTRACTOR.

H.6 Regulatory Rights

This contract involves supply of a product that requires FDA pre-market approval or clearance before commercial authorization. Contractor is seeking FDA authorization or clearance for the commercialization of mRNA-1273, Moderna vaccine for SARS-CoV-2 Coronavirus (the "Technology"). The Contractor is the Sponsor of the Regulatory Application (an investigational new drug application (IND), investigational device exemption (IDE), emergency use authorization (EUA), new drug application (NDA), biologics license application (BLA), premarket approval application (PMA), or 510(k) pre-market notification filing (510(k)) or another regulatory filing submitted to FDA) for the technology. As the Sponsor of the Regulatory Application to FDA (as the terms "sponsor" and "applicant" are defined or used in at 21 CFR §§3.2(c), 312.5, 600.3(t), 812.2(b), 812 Subpart C, or 814.20), the Contractor has certain standing before the FDA that entitles it to exclusive communications related to the Regulatory Application.

Accordingly, the Contractor and the Government agree to the following:

a. DoD Medical Product Priority. PL 115-92 allows the DoD to request, and FDA to provide, assistance to expedite development of products to diagnose, treat, or prevent serious or life-threatening diseases or conditions facing American military personnel. The contractor recognizes that only the DoD can utilize PL 115-92. As such, the contractor will work proactively with the Government to leverage this law to its maximum potential under this contract. The contractor shall submit Public Law 115-92 Sponsor Authorization Letter that will be delivered to the designated OWS POC(s) within 30 days of award.

[***]

H.7 Performance Based Payment Liquidated under Termination
Performance Based Payments (PBPs) have been authorized as a method of financing under this contract. In the event the Moderna’s mRNA-1273 COVID Vaccine is unsuccessful in its bid to obtain EUA or FDA approval, the Government may issue a Termination for Convenience (T4C) in whole or in part, on this contract. Upon notice of a T4C, the contractor shall submit a termination settlement proposal, IAW FAR 52.249-2, Termination for Convenience of the Government (Fixed-Price).

H.8 Public Readiness and Emergency Preparedness (PREP) Act:


(i) This Agreement is being entered into for purposes of facilitating the manufacture, testing, development, distribution, administration, and use of “Covered Countermeasures” for responding to the COVID-19 public health emergency, in accordance with Section VI of the PREP Act Declaration;

(ii) Contractor’s performance of this Agreement falls within the scope of the “Recommended Activities” for responding to the COVID-19 public health emergency, to the extent it is in accordance with Section III of the PREP Act Declaration; and

(iii) Contractor is a “Covered Person” to the extent it is a person defined in Section V of the PREP Act Declaration.

Therefore, in accordance with Sections IV and VII of the PREP Act Declaration as well as the PREP Act (42 U.S.C. § 247d-6d), the Department of Defense contracting via assisted acquisition on behalf of the HHS, expressly acknowledges and agrees that the HHS Declaration cited above, specifically its language providing immunity from suit and liability is applicable to this acquisition as long as Contractor’s activities fall within the terms and conditions of the PREP Act and the PREP Act Declaration.

The Government may not use, or authorize the use of, any products or materials provided under this contract, unless such use occurs in the United States (or a U.S. territory where U.S. law applies such as embassies, military and NATO installations) and is protected from liability under a declaration issued under the PREP Act, or a successor COVID-19 PREP Act Declaration of equal or greater scope. Any use where the application of the PREP Act is in question will be discussed with Moderna prior to use and, if the parties disagree on such use, the dispute will be resolved according to the “Disputes Clause” (52.233-1).

The items and technology covered by this Contract are being developed for both civil and military applications.

[***]
H.10 Ensuring Sufficient Supply of the Product

1. In recognition of the Government's significant funding for the development and manufacturing of the product in this contract and the Government's need to provide sufficient quantities of a COVID-19 vaccine to protect the United States population, the Government shall have the remedy described in this section to ensure sufficient supply of the product to meet the needs of the public health or national security. This remedy is not available to the Government unless and until both of the following conditions ((a) and (b)) are met:

   a. Moderna gives written notice, required to be submitted to the Government no later than [***], of:
      i. any formal management decision to terminate manufacturing of this product vaccine prior to delivery of any doses to USG under this contract, including all exercised options, other than as a result of clinical failure, or serious technical or safety reasons or;
      ii. any formal management decision to discontinue sale of this product vaccine to the Government prior to delivery of any doses to USG under this contract, including all exercised options, other than as a result of clinical failure, or serious technical or safety reasons; or
      iii. any filing that anticipates Federal bankruptcy protection; and
   b. Moderna has submitted an Emergency Use Authorization application under §564 of the FD&C Act or a biologics license application provisions of §351(a) of the Public Health Service Act (PHSA).

2. If both conditions listed in section 1 occur, Moderna, upon the request of the Government, shall provide the following items necessary for the Government to pursue manufacturing of this product vaccine with a third party for exclusive sale to the U.S. Government:
   a. a writing evidencing a non-exclusive, nontransferable, irrevocable (except for cause), royalty-free paid-up license to practice or have practiced for or on behalf of the U.S. Government any Moderna Background Patent, Copyright, other Moderna Intellectual Property, Moderna Know-How, Moderna Technical Data rights necessary to manufacture doses of the mRNA-1273 vaccine;
   b. necessary FDA regulatory filings or authorizations owned or controlled by Moderna related to this product vaccine and any confirmatory instrument pertaining thereto; and
   c. any outstanding Deliverables contemplated or materials purchased under this contract.

3. This remedy will remain available until the end of the contract.

[***]
H.12 Transportation to Final Destination

During the course of performance under this contract, the Government may require storage of the filled drug product (FDP) before delivery to the final government location. In these circumstances, the Government will accept FDP at the contractor facility (Origin). The contractor, however, shall continue to be responsible for secure delivery of the vaccine to its final destination as identified on this contract. [***].

H.13 Validation of IP/Data

The Parties acknowledge that background intellectual property and technical data assertions have been made and evaluated by the parties. The parties agree that, should additional information relevant to these assertions become available, the parties will reevaluate said assertions as necessary in the future.

H.14 Novation

Upon Moderna, US, Inc.'s registration in the System for Award Management, the Government will, at the Contractor's request, complete a novation of this Contract to recognize Moderna US, Inc. as a counterparty instead of Moderna TX, Inc. This novation will be completed through a modification executed by the Government that identifies Moderna US, Inc. as the contracting party for all purposes as if it had originally executed the Contract.
Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

<table>
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<th>Clause</th>
<th>Description</th>
<th>Date</th>
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<td>Definitions</td>
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<td>Restrictions On Subcontractor Sales To The Government</td>
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<td>Anti-Kickback Procedures</td>
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<td>52.203-8</td>
<td>Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity</td>
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<td>Price Or Fee Adjustment For Illegal Or Improper Activity</td>
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<td>Limitation On Payments To Influence Certain Federal Transactions</td>
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<td>Contractor Code of Business Ethics and Conduct</td>
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<td>Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights</td>
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<td>Printed or Copied Double-Sided on Postconsumer Fiber Content Paper</td>
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<td>Reporting Executive Compensation and First-Tier Subcontract Awards</td>
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<td>System for Award Management Maintenance</td>
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<td>Commercial and Government Entity Code Maintenance</td>
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<td>Incorporation by Reference of Representations and Certifications.</td>
<td>DEC 2014</td>
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<td>52.204-23</td>
<td>Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment</td>
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<td>52.209-6</td>
<td>Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment</td>
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52.217-9  OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 5 days for;
provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 30
days for Options 1 and 2, 60 days for Option 3 and 4 before the contract expires. The preliminary notice does not
commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 20
months.

(End of clause)

52.232-32  PERFORMANCE-BASED PAYMENTS (APR 2012)

(a) Amount of payments and limitations on payments. Subject to such other limitations and conditions as are
specified in this contract and this clause, the amount of payments and limitations on payments shall be specified in
the contract's description of the basis for payment.

(b) Contractor request for performance-based payment. The Contractor may submit requests for payment of
performance-based payments not more frequently than monthly, in a form and manner acceptable to the Contracting
Officer. Unless otherwise authorized by the Contracting Officer, all performance-based payments in any period for
which payment is being requested shall be included in a single request, appropriately itemized and totaled. The
Contractor's request shall contain the information and certification detailed in paragraphs (l) and (m) of this clause.

(c) Approval and payment of requests.

(1) The Contractor shall not be entitled to payment of a request for performance-based payment prior to successful
accomplishment of the event or performance criterion for which payment is requested. The Contracting Officer shall
determine whether the event or performance criterion for which payment is requested has been successfully
accomplished in accordance with the terms of the contract. The Contracting Officer may, at any time, require the
Contractor to substantiate the successful performance of any event or performance criterion which has been or is
represented as being payable.

(2) A payment under this performance-based payment clause is a contract financing payment under the Prompt
Payment clause of this contract and not subject to the interest penalty provisions of the Prompt Payment Act. The
designated payment office will pay approved requests on the 30th day after receipt of the request for performance-
based payment by the designated payment office. However, the designated payment office is not required to provide
payment if the Contracting Officer requires substantiation as provided in paragraph (c)(1) of this clause, or inquiries into the status of an event or performance criterion, or into any of the conditions listed in paragraph (e) of this clause, or into the Contractor certification. The payment period will not begin until the Contracting Officer approves the request.

(3) The approval by the Contracting Officer of a request for performance-based payment does not constitute an acceptance by the Government and does not excuse the Contractor from performance of obligations under this contract.

(d) Liquidation of performance-based payments.

(1) Performance-based finance amounts paid prior to payment for delivery of an item shall be liquidated by deducting a percentage or a designated dollar amount from the delivery payment. If the performance-based finance payments are on a delivery item basis, the liquidation amount for each such line item shall be the percent of that delivery item price that was previously paid under performance-based finance payments or the designated dollar amount. If the performance-based finance payments are on a whole contract basis, liquidation shall be by either predesignated liquidation amounts or a liquidation percentage.

(2) If at any time the amount of payments under this contract exceeds any limitation in this contract, the Contractor shall repay to the Government the excess. Unless otherwise determined by the Contracting Officer, such excess shall be credited as a reduction in the unliquidated performance-based payment balance(s), after adjustment of invoice payments and balances for any retroactive price adjustments.

(e) Reduction or suspension of performance-based payments. The Contracting Officer may reduce or suspend performance-based payments, liquidate performance-based payments by deduction from any payment under the contract, or take a combination of these actions after finding upon substantial evidence any of the following conditions:

(1) The Contractor failed to comply with any material requirement of this contract (which includes paragraphs (h) and (i) of this clause).

(2) Performance of this contract is endangered by the Contractor's --

(i) Failure to make progress; or

(ii) Unsatisfactory financial condition.

(3) The Contractor is delinquent in payment of any subcontractor or supplier under this contract in the ordinary course of business.

(f) Title.

(1) Title to the property described in this paragraph (f) shall vest in the Government. Vestiture shall be immediately upon the date of the first performance-based payment under this contract, for property acquired or produced before that date. Otherwise, vestiture shall occur when the property is or should have been allocable or properly chargeable to this contract.

(2) "Property," as used in this clause, includes all of the following described items acquired or produced by the Contractor that are or should be allocable or properly chargeable to this contract under sound and generally accepted accounting principles and practices:

(i) Parts, materials, inventories, and work in process;

(ii) Special tooling and special test equipment to which the Government is to acquire title;
(iii) Nondurable (i.e., noncapital) tools, jigs, dies, fixtures, molds, patterns, taps, gauges, test equipment and other similar manufacturing aids, title to which would not be obtained as special tooling under subparagraph (f)(2)(ii) of this clause; and

(iv) Drawings and technical data, to the extent the Contractor or subcontractors are required to deliver them to the Government by other clauses of this contract.

(3) Although title to property is in the Government under this clause, other applicable clauses of this contract (e.g., the termination or clauses) shall determine the handling and disposition of the property.

(4) The Contractor may sell any scrap resulting from production under this contract, without requesting the Contracting Officer's approval, provided that any significant reduction in the value of the property to which the Government has title under this clause is reported in writing to the Contracting Officer.

(5) In order to acquire for its own use or dispose of property to which title is vested in the Government under this clause, the Contractor shall obtain the Contracting Officer's advance approval of the action and the terms. If approved, the basis for payment (the events or performance criteria) to which the property is related shall be deemed to be not in compliance with the terms of the contract and not payable (if the property is part of or needed for performance), and the Contractor shall refund the related performance-based payments in accordance with paragraph (d) of this clause.

(6) When the Contractor completes all of the obligations under this contract, including liquidation of all performance-based payments, title shall vest in the Contractor for all property (or the proceeds thereof) not --

(i) Delivered to, and accepted by, the Government under this contract; or

(ii) Incorporated in supplies delivered to, and accepted by, the Government under this contract and to which title is vested in the Government under this clause.

(7) The terms of this contract concerning liability for Government-furnished property shall not apply to property to which the Government acquired title solely under this clause.

(g) Risk of loss. Before delivery to and acceptance by the Government, the Contractor shall bear the risk of loss for property, the title to which vests in the Government under this clause, except to the extent the Government expressly assumes the risk. If any property is lost (see 45.101), the basis of payment (the events or performance criteria) to which the property is related shall be deemed to be not in compliance with the terms of the contract and not payable (if the property is part of or needed for performance), and the Contractor shall refund the related performance-based payments in accordance with paragraph (d) of this clause.

(h) Records and controls. The Contractor shall maintain records and controls adequate for administration of this clause. The Contractor shall have no entitlement to performance-based payments during any time the Contractor's records or controls are determined by the Contracting Officer to be inadequate for administration of this clause.

(i) Reports and Government access. The Contractor shall promptly furnish reports, certificates, financial statements, and other pertinent information requested by the Contracting Officer for the administration of this clause and to determine that an event or other criterion prompting a financing payment has been successfully accomplished. The Contractor shall give the Government reasonable opportunity to examine and verify the Contractor's records and to examine and verify the Contractor's performance of this contract for administration of this clause.

(j) Special terms regarding default. If this contract is terminated under the Default clause,

(1) the Contractor shall, on demand, repay to the Government the amount of unliquidated performance-based payments, and

(2) title shall vest in the Contractor, on full liquidation of all performance-based payments, for all property for which
the Government elects not to require delivery under the Default clause of this contract. The Government shall be liable for no payment except as provided by the Default clause.

(k) Reservation of rights.

(1) No payment or vesting of title under this clause shall --

(i) Excuse the Contractor from performance of obligations under this contract; or

(ii) Constitute a waiver of any of the rights or remedies of the parties under the contract.

(2) The Government's rights and remedies under this clause --

(i) Shall not be exclusive, but rather shall be in addition to any other rights and remedies provided by law or this contract; and

(ii) Shall not be affected by delayed, partial, or omitted exercise of any right, remedy, power, or privilege, nor shall such exercise or any single exercise preclude or impair any further exercise under this clause or the exercise of any other right, power, or privilege of the Government.

(l) Content of Contractor's request for performance-based payment. The Contractor's request for performance-based payment shall contain the following:

(1) The name and address of the Contractor;

(2) The date of the request for performance-based payment;

(3) The contract number and/or other identifier of the contract or order under which the request is made;

(4) Such information and documentation as is required by the contract's description of the basis for payment; and

(5) A certification by a Contractor official authorized to bind the Contractor, as specified in paragraph (m) of this clause.

(m) Content of Contractor's certification. As required in paragraph (l)(5) of this clause, the Contractor shall make the following certification in each request for performance-based payment:

I certify to the best of my knowledge and belief that --

(1) This request for performance-based payment is true and correct; this request (and attachments) has been prepared from the books and records of the Contractor, in accordance with the contract and the instructions of the Contracting Officer;

(2) (Except as reported in writing on___________), all payments to subcontractors and suppliers under this contract have been paid, or will be paid, currently, when due in the ordinary course of business;

(3) There are no encumbrances (except as reported in writing on___________) against the property acquired or produced for, and allocated or properly chargeable to, the contract which would affect or impair the Government's title;

(4) There has been no materially adverse change in the financial condition of the Contractor since the submission by the Contractor to the Government of the most recent written information dated___________; and

(5) After the making of this requested performance-based payment, the amount of all payments for each deliverable item for which performance-based payments have been requested will not exceed any limitation in the contract,
the amount of all payments under the contract will not exceed any limitation in the contract.

(End of Clause)

52.252-2   CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

https://www.acquisition.gov/content/regulations

(End of clause)

52.252-6   AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIAION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIAION)" after the name of the regulation.

(End of clause)
### Section J - List of Documents, Exhibits and Other Attachments

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### Exhibit A

#### Contract Data Requirements List (CDRL)

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https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm
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<td>A025</td>
<td>Research and Development of Medical Products Regulated by the U.S. Food &amp; Drug Administration (FDA)</td>
<td>Manufacturing Development Plan</td>
<td>18 Jul 20</td>
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https://www.sec.gov/Archives/edgar/data/1682852/000168285220000023/exhibit103.htm
CERTAIN CONFIDENTIAL PORTIONS OF THIS EXHIBIT HAVE BEEN OMITTED AND REPLACED WITH "[***]". SUCH IDENTIFIED INFORMATION HAS BEEN EXCLUDED FROM THIS EXHIBIT BECAUSE IT IS (I) NOT MATERIAL AND LIKELY CAUSE COMPETITIVE HARM TO THE COMPANY IF DISCLOSED.

**Section J**

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
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<th>Date</th>
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<tbody>
<tr>
<td>Exhibit A</td>
<td>Contract Data Requirement List (CDRL)</td>
<td>15</td>
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<td>Attachment 0001</td>
<td>Supply Chain Resiliency Plan for CDRL A010</td>
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<td>Attachment 0002</td>
<td>Security Plan</td>
<td>6</td>
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<td>Dose Tracking Template Draft Moderna</td>
<td>Excel</td>
<td>15 July 2020</td>
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<td>Attachment 0004</td>
<td>Data Rights</td>
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<td>Attachment 0007</td>
<td>Performance Based Payment Milestone Schedule</td>
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<td>Attachment 0008</td>
<td>Performance Based Payment Billing Plan</td>
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<td>7 August 2020</td>
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Contract Data Requirements List (CDRLs)
Exhibit A
As of 18 July 2020
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1. DATA ITEM NO.  
2. TITLE OF DATA ITEM  
3. SUBTITLE  
4. AUTHORITY (Data Acquisition Document No.)  
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6. REQUIRING OFFICE  
7. DD 250 REQ  
8. APP CODE  
9. DIST  
10. FREQUENCY  
11. AS OF DATE  
12. DATE OF FIRST SUBMISSION  
13. DATE OF SUBSEQUENT SUBMISSION  
14. DISTRIBUTION  
15. TOTAL →  
16. REMARKS  
17. Price Group  
18. Estimated
### CONTRACT DATA REQUIREMENTS LIST

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<table>
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4. The Data Item Description (DID) may be obtained from http://quicksearch.dla.mil/. The CCAP-SCN** LT LT 0 paragraph f.(2) applies.

8. The US Government (USG) will respond with comments or approval within 10 calendar days after receipt.


12. Submit within 10 business days of an Audit.

13. The contractor shall incorporate USG comments and resubmit within 10 calendar days after receipt.

14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative: Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).

15. LT: Letter of Transmittal (via email).

16. TOTAL → 1 1 0 G. PREPARED BY

17. H. DATE

18. I. APPROVED BY

19. J. DATE

Pamela Serra

July 18, 2020

Marva Taylor

July 18, 2020
CONTRACT DATA REQUIREMENTS LIST
Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.
B. EXHIBIT
C. CATEGORY:
   0002
   ATDP
   TM
   Other General/Admin Data
D. SYSTEM/ITEM
E. CONTRACT/PR NO.
F. CONTRACTOR
   LARGE SCALE PRODUCTION OF SARS-CoV-2
   W911QY-20-C-0100
   Moderna TX, Inc.
   VACCINE

1. DATA ITEM NO.
2. TITLE OF DATA ITEM
3. SUBTITLE
   17. Price Group
   A005
   Research and Development of Medical Products Regulated by the
   Shipping Documentation-Finished Drug Product
   U.S. Food and Drug Administration (FDA)
4. AUTHORITY (Data Acquisition Document No.)
5. CONTRACT REFERENCE
6. REQUIRING OFFICE
   18. Estimated
   DI-TCSP-82040
   C.4.3
   ASPR BARDA
   Total Price
7. DD 250 REQ
8. APP CODE
9. DIST STATEMENT
   10. FREQUENCY
   12. DATE OF FIRST
   14. DISTRIBUTION
   NA
   REQUIRED
   ASREQ
   SUBMISSION
   C
   Refer to Block 16
11. AS OF DATE
13. DATE OF
   a. ADDRESSEE
   Final
   Subsequent
   b. COPIES
   A
   0
16. REMARKS
   ASPR BARDA
   1
   1
   0
   4. The Data Item Description (DID) may be obtained from http://quicksearch.dla.mil/.
   Provide CCAP-SCN LT LT 0
   shipping document for all FDP transferring from the contractor's facility to a USG facility.
   Provide the following information in order to coordinate the movement and delivery of
   vaccine products:
   a) Appropriate Intermediate Package weight;
   b) Quantity Unit of Sale per pallet;
   c) Storage Requirements; and
   d) Stability Information.
   Packaging List:
   Include the following DSCSA data elements, TI, TH and TS in packing lists.
   Include the contract number and CDC's PO number (which BARDA will provide at the time the
   bulk order is submitted) on the packing list for all shipments. Include a copy of the MSDS (with
   QR code) in the packing list envelope with each shipment. Send EDI 856 Advanced Shipment
   Notice for all products shipped to a USG directed location. CDC will provide EDI mapping
   specifications that include the CDC generated PO number. Send electronic/scanned copies of
   all bulk shipment related documents to the COR for three-way matching on the day shipment
   occurs.
8. SHIPPING PROCESS DEMO:
   The US Government (USG) will respond within 15 calendar days
   with comments or approval. Subsequent submission (after USG approval of initial shipping
   process demo) within 1 calendar day after receipt of the FDP.
9. DISTRIBUTION STATEMENT C:
   Distribution authorized to U.S. Government agencies and their
   Distribution guidance is included in DoD Instruction 5230.24.
12. 1ST SUBMITTAL (DEMO):
   30 calendar days prior to first shipment. Submit concurrent with
   each FDP delivery.
13. The contractor shall incorporate USG comments and resubmit to the USG within 1
   calendar day after receipt.
14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) or Adobe
   PDF via email to the BARDA representative:
   Marva Taylor
   [***] and the Contracting Officer**, Danny Soto
   [***].
   LT:
   Letter of Transmittal (via email)
15. TOTAL →
   1
   1
   0
   4.
## CONTRACT DATA REQUIREMENTS LIST

**Form Approved**

**OMB No. 0704-0188**

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

### A. CONTRACT LINE ITEM NO.

### B. EXHIBIT

### C. CATEGORY:

- [A] TDP
- [M] TM
- [___] Other General/Admin Data

### D. SYSTEM/ITEM

### E. CONTRACT/PR NO.

**LARGE SCALE PRODUCTION OF SARS-CoV-2**

**W911QY-20-C-0100**

**Moderna TX, Inc.**

**VACCINE**

### F. CONTRACTOR

**LARGE SCALE PRODUCTION OF SARS-CoV-2**

**W911QY-20-C-0100**

**Moderna TX, Inc.**

**VACCINE**

### G. PREPARED BY

Pamela Serra

July 18, 2020

### H. DATE

July 18, 2020

### I. APPROVED BY

Marva Taylor

July 18, 2020

### J. DATE

July 18, 2020

### 1. DATA ITEM NO.

### 2. TITLE OF DATA ITEM

### 3. SUBTITLE

### 4. AUTHORITY (Data Acquisition Document No.)

### 5. CONTRACT REFERENCE

### 6. REQUIRING OFFICE

ASPR BARDA

### 7. DD 250 REQ

### 8. APP CODE

### 9. DISTRIBUTION STATEMENT

C:


### 10. FREQUENCY

### 11. AS OF DATE

### 12. DATE OF FIRST REQUIRED

NA

### 13. DATE OF SUBSEQUENT SUBMISSION

ASREQ

### 14. DISTRIBUTION

C

Refer to Block 16

### 15. TOTAL

1

1

0

4

### 16. REMARKS

ASPR BARDA*

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1

0

### 17. Price Group

A006

### 18. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 19. Total Price

#### 20. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 21. Total Price

#### 22. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 23. Total Price

#### 24. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 25. Total Price

#### 26. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

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#### 28. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 29. Total Price

#### 30. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 31. Total Price

#### 32. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 33. Total Price

#### 34. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 35. Total Price

#### 36. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 37. Total Price

#### 38. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 39. Total Price

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

### 45. Total Price

#### 46. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 47. Total Price

#### 48. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 49. Total Price

#### 50. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 51. Total Price

#### 52. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 53. Total Price

#### 54. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 55. Total Price

#### 56. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 57. Total Price

#### 58. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 59. Total Price

#### 60. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 61. Total Price

#### 62. Estimated DI-SESS-82206 (Tailored)

C.4.3

ASPR BARDA

### 63. Total Price

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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C.4.3

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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C.4.3

ASPR BARDA

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ASPR BARDA

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C.4.3

ASPR BARDA

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ASPR BARDA

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ASPR BARDA

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ASPR BARDA

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ASPR BARDA

### 99. Total Price

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C.4.3

ASPR BARDA

### 101. Total Price
**CONTRACT DATA REQUIREMENTS LIST**

Form Approved (2 Data Items)

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of Government agencies and their Contractors (Administrative or Operational Use). Determination made July 18, 2020. Distribution guidance is included in DoD Instruction 5230.24.

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6. **REQUIRING OFFICE**
7. **DD 250 REQ**
8. **APP CODE**
9. **DIST**
10. **FREQUENCY**
11. **AS OF DATE**
12. **DATE OF FIRST SUBMISSION**
13. **DATE OF SUBSEQUENT SUBMISSION**
14. **DISTRIBUTION**
15. **TOTAL → 2**
16. **REMARKS**

The Data Item Description (DID) may be obtained from http://quicksearch.dla.mil/. The final report shall be marked as 'Final'. A cover letter with the report shall contain a summary (not to exceed 200 words) of salient results achieved during the performance of the contract and be structured in the following format:

- Identify doses accepted by the Government in previous submissions.
- Include the following:
  - a. Cover page to include the contract number, contract title, performance period covered, Contractor's name and address, telephone number, fax number, email address and submission date.
  - b. SECTION I:
    - b.1. Executive Summary (100 words max.)
    - b.2. Methods:
    - b.3. Results:
    - b.4. Conclusion:
  - b. PAGE 2:
  - c. Appendix:
  - d. Final Technica Report

Refer to Block 16

The US Government (USG) will respond with comments or approval within 10 calendar days after receipt. Submit any and all proposed revisions to the Plan for USG approval 10 calendar days prior to implementation.

### CONTRACT DATA REQUIREMENTS LIST

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<td>Moderna TX, Inc.</td>
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</table>

8. The Data Item Description (DID) may be obtained from [http://quicksearch.dla.mil/](http://quicksearch.dla.mil/). Page CCAP-SCN** 1 1 0 29, Paragraph (4) applies.

8. The US Government (USG) will respond with comments or approval within 7 calendar days after receipt.


12. Submit within 45 calendar days after contract award.

13. The contractor shall incorporate USG comments and resubmit to the USG within 20 calendar days after receipt. Resubmit for any changes to the USG-approved Plan/SOP.

14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative: Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).

15. TOTAL → 2 2 0

[Letter of Transmittal (via email).]

16. REMARKS | ASPR BARDA* |
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8. The US Government (USG) will respond with comments or approval within 7 calendar days after receipt.


12. Submit within 45 calendar days after contract award.

13. The contractor shall incorporate USG comments and resubmit to the USG within 20 calendar days after receipt. Resubmit for any changes to the USG-approved Plan/SOP.

14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative: Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).

15. TOTAL → 2 2 0

[Letter of Transmittal (via email).]
## CONTRACT DATA REQUIREMENTS LIST

**Form Approved** (2 Data Items)

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

### A. CONTRACT LINE ITEM NO.

### B. EXHIBIT

### C. CATEGORY:
- 0002
- A
- TDP
- TM
- Other General/Admin Data

### D. SYSTEM/ITEM

### E. CONTRACT/PR NO.

LARGE SCALE PRODUCTION OF SARS-CoV-2 VACCINE

W911QY-20-C-0100

Moderna TX, Inc.

### F. CONTRACTOR

LARGE SCALE PRODUCTION OF SARS-CoV-2 VACCINE

W911QY-20-C-0100

Moderna TX, Inc.

### G. PREPARED BY

Pamela Serra

July 18, 2020

### H. DATE

### I. APPROVED BY

Marva Taylor

July 18, 2020

### J. DATE

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</tr>
<tr>
<td></td>
<td>Research and Development of Medical Products</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manufacturing Reports and Dose Tracking</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Regulated by the U.S. Food and Drug Administration</td>
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<td>Projections/Actuals</td>
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### 4. AUTHORITY (Data Acquisition Document No.)

### 5. CONTRACT REFERENCE

### 6. REQUIRING OFFICE

### 7. DD 250 REQ

### 8. APP CODE

### 9. DIST

### 10. FREQUENCY

### 12. DATE OF FIRST SUBMISSION

### 13. DATE OF SUBSEQUENT SUBMISSION

### 14. DISTRIBUTION

**Distribution Statement C:**
- Distribution authorized to U.S. Government agencies and their Contractors (Administrative or Operational Use).
- Distribution guidance is included in DoD Instruction 5230.24.

### 15. TOTAL

### 16. REMARKS

ASPR BARDA*

1

1

3

4

8

The Data Item Description (DID) may be obtained from [http://quicksearch.dla.mil/](http://quicksearch.dla.mil/). The CCAP-SCN** LT LT 0 paragraph e applies. The contractor shall provide:

- pictures of the drug product with lot number,
- drug product lot tree,
- list of associated deviations (from drug substance and product), and a Certificate of Analysis/Compliance.

### 8. The US Government (USG) will respond with comments or approval within 15 business days after receipt.

### 9. Distribution Statement C:
- Distribution guidance is included in DoD Instruction 5230.24.

### 12. Submit for each lot of FDP delivered.

### 13. The contractor shall incorporate USG comments and resubmit to the USG within 3 calendar days after receipt.

### 14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative:

- Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).

### 15. TOTAL

<table>
<thead>
<tr>
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### 16. REMARKS

ASPR BARDA*

1

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- drug product lot tree,
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ASPR BARDA*

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### 16. REMARKS

ASPR BARDA*

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### 16. REMARKS

ASPR BARDA*

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- pictures of the drug product with lot number,
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- list of associated deviations (from drug substance and product), and a Certificate of Analysis/Compliance.

### 8. The US Government (USG) will respond with comments or approval within 15 business days after receipt.

### 9. Distribution Statement C:
- Distribution guidance is included in DoD Instruction 5230.24.

### 12. Submit for each lot of FDP delivered.

### 13. The contractor shall incorporate USG comments and resubmit to the USG within 3 calendar days after receipt.

### 14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative:

- Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).
CONTRACT DATA REQUIREMENTS LIST

Form Approved (2 Data Items)

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A. CONTRACT LINE ITEM NO.
B. EXHIBIT
C. CATEGORY:
   - 0002
     - ATDP
     - TM
     - Other General/Admin Data
D. SYSTEM/ITEM
E. CONTRACT/PR NO.
   - W911QY-20-C-0100
F. CONTRACTOR
   - Moderna TX, Inc.

1. DATA ITEM NO.
2. TITLE OF DATA ITEM
3. SUBTITLE
   - 17. Price Group
     - A015
     - NOT USED
4. AUTHORITY (Data Acquisition Document No.)
5. CONTRACT REFERENCE
6. REQUIRING OFFICE
   - DI-MGMT-82188
   - C.4.12
   - ASPR BARDA
7. DD 250 REQ
8. APP CODE
9. DIST
10. FREQUENCY
12. DATE OF FIRST SUBMISSION
13. DATE OF SUBSEQUENT SUBMISSION
14. DISTRIBUTION
   - STATEMENT
   - REQUIRED
   - ASREQ
   - Refer to Block 16
   - N/A
15. TOTAL →
16. REMARKS
   - NOT USED
   - Consideration of concerns raised within 5 business days of receipt.
   - Provide via telephone with written follow-ups and corrective actions to the COR and Contracting Officer. Provide write-up as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative: Marva Taylor ([***]) and the Contracting Officer (KO), Danny Soto ([***]).
   - LT:
     - Letter of Transmittal (via email).
17. PRICE GROUP
   - A015
   - NOT USED
18. ESTIMATED TOTAL PRICE

G. PREPARED BY
   - Pamela Serra
   - July 18, 2020
H. DATE
   - July 18, 2020
I. APPROVED BY
   - Marva Taylor
   - July 18, 2020
J. DATE
   - July 18, 2020
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<th><strong>E. CONTRACT/PR NO.</strong></th>
<th><strong>F. CONTRACTOR</strong></th>
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<td>Moderna TX, Inc.</td>
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**G. PREPARED BY**
Pamela Serra

**H. DATE**
July 18, 2020

**I. APPROVED BY**
Marva Taylor

**J. DATE**
July 18, 2020
CONTRACT DATA REQUIREMENTS LIST
Form Approved
(2 Data Items)
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

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<td>General/Admin Data</td>
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D. SYSTEM/ITEM

E. CONTRACT/PR NO.
W911QY-20-C-0100

F. CONTRACTOR
Moderna TX, Inc.

1. DATA ITEM NO.

2. TITLE OF DATA ITEM
Contractor’s Standard Operating Procedures

3. SUBTITLE
Security Plan

4. AUTHORITY (Data Acquisition Document No.)

5. CONTRACT REFERENCE
DI-MGMT-81580 C.6

6. REQUIRING OFFICE
ASPR BARDA

7. DD 250 REQ

8. APP CODE

9. DIST

10. FREQUENCY

11. AS OF DATE

12. DATE OF FIRST SUBMISSION

13. DATE OF SUBSEQUENT SUBMISSION

14. DISTRIBUTION

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15. TOTAL

16. REMARKS

ASPR BARDA*

1

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64

8.

Post Award Teleconference: The USG will respond with comments or approval within 1 calendar day after receipt. Kickoff Meeting: The USG will respond with comments or approval within 3 calendar days after receipt.


12. Post Award Teleconference:
Submit at least 3 business days prior to conduct of meeting and establish a teleconference number, unless otherwise provided by the USG. Kickoff Meeting:
Submit at least 5 business days prior to conduct of meeting.

13. The contractor shall incorporate USG comments and distribute agenda at least 2 business days prior to meeting.

14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative: Marva Taylor ([***]) and the Contracting Officer** (KO), Danny Soto ([***]).

15. TOTAL

1

2

0

G. PREPARED BY

H. DATE

I. APPROVED BY

J. DATE

Pamela Serra
July 18, 2020

Marva Taylor
July 18, 2020
CONTRACT DATA REQUIREMENTS LIST

Form Approved

OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.
B. EXHIBIT
C. CATEGORY:
   0002
   ATDP
   TM
   Other General/Admin Data
D. SYSTEM/ITEM
E. CONTRACT/PR NO.
   W911QY-20-C-0100
F. CONTRACTOR
   Moderna TX, Inc.

1. DATA ITEM NO.
2. TITLE OF DATA ITEM
3. SUBTITLE
   17. Price Group
   A021
   Report, Record of Meeting/Minutes
   Meeting Minutes
4. AUTHORITY (Data Acquisition Document No.)
   5. CONTRACT REFERENCE
   6. REQUIRING OFFICE
   7. DD 250 REQ
   8. APP CODE
   9. DIST
   10. FREQUENCY
   12. DATE OF FIRST SUBMISSION
   14. DISTRIBUTION
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      STATEMENT
      ASREQ
      Refer to Block 16
      REQUIRED
   11. AS OF DATE
   13. DATE OF SUBSEQUENT SUBMISSION
      a. ADDRESSEE
      Final
      A
      Draft
      Refer to Block 16
      Reg
      Repro
   16. REMARKS
      ASPR BARDA*
      1
      1
      0
   4. The Data Item Description (DID) may be obtained from http://quicksearch.dla.mil/.
   CCAP-SCN**
   LT
   1
   0
   8. The US Government (USG) will respond with comments or approval within 10 calendar days after receipt.
   9. Distribution Statement C:
      Distribution guidance is included in DoD Instruction 5230.24.
   12. Submit within 3 calendar days after conduct of meeting.
   13. Post Award Teleconference:
      The contractor shall incorporate USG comm
   14. Submit as an electronic file in Microsoft Office (i.e. Word, Excel, Power Point) via email to the BARDA representative:
      Marva Taylor (***) and the Contracting Officer** (KO), Danny Soto (***)
      LT:
      Letter of Transmittal (via email).
   15. TOTAL →
   2
   2
   0
   G. PREPARED BY
   H. DATE
   I. APPROVED BY
   J. DATE
   Pamela Serra
   July 18, 2020
   Marva Taylor
   July 18, 2020
CONTRACT DATA REQUIREMENTS LIST
Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.
B. EXHIBIT
C. CATEGORY:
   ATDP_____ TM ____ Other General/Admin Data
D. SYSTEM/ITEM
E. CONTRACT/PR NO.
   W911QY-20-C-0100
   Large Scale Production of SARS-CoV-2 Vaccine
F. CONTRACTOR
   Moderna TX, Inc.

1. DATA ITEM NO.
2. TITLE OF DATA ITEM
3. SUBTITLE
   Price Group
   A023
   NOT USED
4. AUTHORITY (Data Acquisition Document No.)
5. CONTRACT REFERENCE
6. REQUIRING OFFICE
   DI-MGMT-80934C
   C.6.3
   ASPR BARDA
7. DD 250 REQ
8. APP CODE
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12. DATE OF FIRST SUBMISSION
13. DATE OF SUBSEQUENT SUBMISSION
14. DISTRIBUTION STATEMENT
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   ASREQ
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15. TOTAL
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16. REMARKS
   NOT USED
17. Price Group
   A024
   Operations Security (OPSEC) Plan
   Operational Security Plan (OPSEC) SOP/Plan
18. Estimated Total Price

G. PREPARED BY
   Pamela Serra
   July 18, 2020
H. DATE
I. APPROVED BY
   Marva Taylor
   July 18, 2020
J. DATE
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1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE
17. Price Group A025 Research and Development of Medical Products Regulated Monthly Technical Progress Report by the U.S. Food & Drug Administration

4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE
18. Estimated DI-MGMT-80368A (Tailored) C.4.6 ASPR BARDA

7. DD 250 REQ 9. DIST STATEMENT
8. APP CODE 10. FREQUENCY
11. AS OF DATE 12. DATE OF FIRST SUBMISSION
13. DATE OF SUBSEQUENT SUBMISSION

Refer to Block 16

b. COPIES a. ADDRESSEE

Final 0 Refer to Block 16

Draft Reg Repro

16. REMARKS

ASPR BARDA* 1 1 0
CCAP-SCN** 1 1 0

4. The Data Item Description (DID) may be obtained from http://quicksearch.dla.mil/.

8. The US Government (USG) will respond with comments or approval within 10 calendar days after receipt.

9. Distribution
INSTRUCTIONS FOR COMPLETING DD FORM 1423
(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

FOR THE CONTRACTOR

Item A. Self-explanatory.

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

Item B. Self-explanatory.

Item C. Mark (X) appropriate category:

- TDP - Technical Data Package
- TM - a. Group I. Definition - Data which is not otherwise essential to the Technical Manual
- Other - other category of data, such as "Provisioning," contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

b.

- Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for delivery of data to the Government.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when first submittal is required.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered as a direct result of the requirement to supply the data, over and above DD Form 1423 at no cost.
to each addressee. Explain reproducible copies in Item 16. Those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.
ATTACHMENT 0001 TO CONTRACT DATA REQUIREMENTS LIST A010

Supply Chain Resiliency Plan

The contractor shall provide a comprehensive Supply Chain Resiliency Plan that provides for identification and reporting of critical components associated with the secure supply of drug substance, drug product, and work-in-process through to finished goods.

1. A critical component is defined as any material that is essential to the product or the manufacturing process associated with that product. Included in the definition are consumables and disposables associated with manufacturing. NOT included in the definition are facility and capital equipment.

   Consideration of critical components includes the evaluation and potential impact of raw materials, excipients, active ingredients, substances, pieces, parts, software, firmware, labeling, assembly, testing, analytical and environmental componentry, reagents, or utility materials which are used in the manufacturing of a drug, cell banks, seed stocks, devices and key processing components and equipment. A clear example of a critical component is one where a sole supplier is utilized.

2. The contractor shall identify key equipment suppliers, their locations, local resources, and the associated control processes at the time of award. This document shall address planning and scheduling for active pharmaceutical ingredients, upstream, downstream, component assembly, finished drug product and delivery events as necessary for the delivery of product.

   a) Communication for these requirements shall be updated as part of an annual review, or as necessary, as part of regular contractual communications.

   b) For upstream and downstream processing, both single-use and re-usable in-place processing equipment, and manufacturing disposables also shall be addressed. For finished goods, the inspection, labeling, packaging, and associated machinery shall be addressed taking into account capacity capabilities.

   c) The focus on the aspects of resiliency shall be on critical components and aspects of complying with the contractual delivery schedule. Delivery methods shall be addressed, inclusive of items that are foreign-sourced, both high and low volume, which would significantly affect throughput and adherence to the contractually agreed deliveries.

3. The contractor shall articulate in the plan, the methodology for inventory control, production planning, scheduling processes and ordering mechanisms, as part of those agreed deliveries.

   a) Production rates and lead times shall be understood and communicated to the HHS/ASPR/BARDA Contracting Officer or the Contracting Officer's Representative as necessary.

   b) Production throughput critical constraints should be well understood by activity and by design, and communicated to contractual personnel. As necessary, communication should fo
The contractor shall provide a Security Plan which shall address the following:

W911QY-20-C-0100

Security Plan
Attachment 0002
Page 2 of 7
Data Rights Restrictions

Limited Rights Data

The following are Modern's technical data assertions required by DFAR 252.227-7017 ("Identification and assertion of use, release, or disclosure restrictions"). Notwithstanding any contrary representation by the Contractor on the System for Award Management or any contrary provision in the contract, the following categories of information developed exclusively at private expense will, if provided to the Government, be considered limited rights data subject to the restrictions specified in DFAR 227.7013. These restrictions apply to any component of information covered by this provision, regardless of whether a component is included in a contract deliverable. The Government will, as applicable, retain government purpose rights or unlimited rights in technical data generated in performance or included in a deliverable as required by DFARS 252.227-7013 or another applicable data rights clause to the extent that any component of such technical data (i) was developed in whole or in part with Government funds, (ii) pertains to an item developed in whole in part with Government funds, or (iii) was first produced in performance of a Government contract subject to FAR 52.227-14. Nothing in this Contract or this Attachment affects any data rights that the Government may already have under prior agreements between Moderna and the Government, including with respect to Agreement Nos. [***]. The Government will not reverse engineer or otherwise evaluate materials provided under this Contract to reproduce the type of information described below without Moderna's prior written consent.

[***]
Severable/
Milestone
Price
Milestone Completion Verification Method

CLIN
Cumulative
Moderna shall provide: 1) written confirmation from the CMO network that sufficient capacity has been reserved; and, 2) written confirmation of reservation of sufficient raw materials along with a manufacturing schedule.
CERTAIN CONFIDENTIAL PORTIONS OF THIS EXHIBIT HAVE BEEN OMITTED AND REPLACED WITH "[***]". SUCH IDENTIFIED INFORMATION HAS BEEN EXCLUDED FROM THIS EXHIBIT BECAUSE IT IS (I) NOT MATERIAL AND (II) WOULD LIKELY CAUSE COMPETITIVE HARM TO THE COMPANY IF DISCLOSED.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
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<td>3</td>
<td>EFFECTIVE DATE</td>
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<td>4</td>
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<td>6</td>
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<td>7</td>
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<td>S2206A</td>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
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<tr>
<td>W6QK ACC-APG NATICK DIVISION</td>
<td>DCMA BOSTON</td>
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<tr>
<td>495 SUMMER STREET</td>
<td>NATICK MA 01760-5011</td>
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<tr>
<td>8</td>
<td>NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)</td>
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<tr>
<td>200 TECHNOLOGY SQ</td>
<td>CAMBRIDGE MA 02139-3578</td>
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<tr>
<td>11</td>
<td>THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</td>
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<tr>
<td>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.</td>
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<tr>
<td>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</td>
<td></td>
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<tr>
<td>(a) By completing Items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;</td>
<td></td>
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<tr>
<td>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by v</td>
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<td>12</td>
<td>CONTRACT ORDER NO. IN ITEM 10A.</td>
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<td>13</td>
<td>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).</td>
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<tr>
<td>14</td>
<td>Description of Amendment / Modification</td>
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<tr>
<td>(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</td>
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<tr>
<td>Modification Control Number: dsoto202575</td>
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<tr>
<td>The purpose of this modification is to</td>
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<tr>
<td>1. Novation Change from Moderna TX to Moderna US</td>
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<tr>
<td>2. Section C make administrative revisions to correct type-o and update company name</td>
<td></td>
</tr>
<tr>
<td>3. Section G update company name, correct type-o in subCLINs, and revise WAWF Clause inspect by from S2206A to W911QY</td>
<td></td>
</tr>
<tr>
<td>4. Section J revised page number on Exhibits and Attachments</td>
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<tr>
<td>The total obligated amount and contract price remains the unchanged.</td>
<td></td>
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<tr>
<td>Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</td>
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<tr>
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<td>16B</td>
<td>United States of America</td>
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<tr>
<td>16C</td>
<td>Name and Title of Contracting Officer (Type or print)</td>
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</table>
The following have been modified:

**STATEMENT OF WORK**

C.1. SCOPE. The Department of Defense and Health and Human Services (HHS) require large scale manufacturing of vaccine doses in support of the national emergency response to the Coronavirus Disease 2019 (COVID-19) for the United States Government (USG) and the US population.


C.1.1.1. Under Operation Warp Speed (OWS), the Department of Defense and HHS are leading a whole of nation effort to ensure development of promising vaccine, diagnostic and therapeutic candidates and ensure that these medical countermeasures are available in the quantities required to reduce SARS-CoV-2 transmission, identify prior and/or current infection, and improve patient care, thereby mitigating the impact of COVID-19 on the nation and its people. The DoD Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense (JPEO-CBRD) is providing expertise and contracting support to HHS, in compliance with PL 115-92 Authorization Letter for DoD Medical Priorities, through an Interagency Agreement, signed April 23, 2020. As OWS products progress to clinical trials to evaluate the safety and efficacy of vaccines and therapeutics, it is critical that, in parallel, the USG supports large scale manufacturing so that vaccine doses or therapeutic treatment courses are immediately available for nationwide access as soon as a positive efficacy signal is obtained and the medical countermeasures are authorized for widespread use.

C.1.2. Objective: The objective of this effort is to obtain the following:

a. Base Period: Large scale manufacturing of 100 million vaccine doses
b. Option Period 1: Large scale manufacturing of 100 million vaccine doses
c. Option Period 2: Large scale manufacturing of 100 million vaccine doses
C.3 REQUIREMENTS. Independently, and not as an agent of the USG, in accordance with the Proposal submitted by Moderna US, Inc. in response to Solicitation Number W911QY20R0043, Titled, “Advanced Procurement of mRNA-1273 Vaccine for Prevention of SARS-CoV-2 Coronavirus (COVID-19)”), dated July 10, 2020 (and any subsequent USG-approved revisions thereto), the contractor shall provide all necessary services, qualified personnel, material, equipment and facilities (not otherwise provided by the USG under the terms of this contract) to perform the specific tasks set forth below.

C.3.1 Contract Line Item Number (CLIN) 0001 - Base Period: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.1.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million Final Drug Product (FDP) doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include, the following tasks and other activities reasonably contemplated by such task:

C.3.1.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.1.1.2 cGMP manufacturing of 100 million doses fully compliant with 21 CFR 210 and 211.

C.3.1.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated as appropriate.

C.3.1.1.4 Coordinating with FDA to establish an approved commercial vial label, carton and packaging insert (printed or electronic).

C.3.1.1.5 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements, subject to any exceptions established by or the enforcement discretion of the FDA, including “Exemption from Certain Product Tracing and Product Identification Requirements Under Section 582 of the FD&C Act” (April 2020).

C.3.1.1.6 In coordination with the USG, the contractor shall conduct a dem
C.3.1.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and Contracting Officer's Representative (COR) within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this product within [***] of receiving correspondence from the FDA or third party in accordance with CDRL A002. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.1.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.2 CLIN 1001 - Option Period 1: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.2.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.2.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.2.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.2.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.2.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.2.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a...
in accordance with CDRL A015. The Contractor shall provide the Contracting Officer with a plan for addressing areas of nonconformance, if any are identified, within [***] of submittal of the audit report in accordance with CDRL A002.

C.3.2.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.3 CLIN 2001 - Option Period 2: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.3.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.3.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.3.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.3.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated as appropriate.

C.3.3.1.4 Ensuring that the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.3.1.5 Following release the contractor shall deliver product to the nearest designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site's ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.3.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site v...
C.3.3.2.3 FDA Interactions. The contractor shall provide copies of the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding the drugs and biologics for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.

C.3.4 CLIN 3001 - Option Period 3: Large Scale Manufacturing of 100 Million Vaccine Doses.

C.3.4.1 The contractor shall complete all scope required for the production, release and delivery use of 100 million FDP doses of a SARS-CoV-2 mRNA-1273 vaccine. This shall include the following tasks and other activities reasonably contemplated by such tasks:

C.3.4.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.4.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.4.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.4.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.4.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site’s ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.4.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.4.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in the plan and processes that will ensure the USG has visibility and input on all FDA communications regarding mRNA-1273 for the following, but not limited to: FDA interactions, FDA meetings, communications, submissions, inspections, and enforcement documentation in accordance with CDRL A002.
C.3.5.1.1 Storage of FDP doses prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. Storage and maintenance of the vaccine prior to delivery shall be under conditions and at temperatures necessary to retain stability for use as prescribed in this contract for a period of 12 months. (Based on FDP stability data that supports a 12-month shelf-life, subject to FDA confirmation of the assigned shelf-life.) Ensure requirements of 21CFR207, Registration of Producers of Drugs and Listing of Drugs in Commercial Distribution are met prior to distribution to the CDC. Documents shall be provided under CDRL A002, FDA Interactions and Inspections Documentation.

C.3.5.1.2 cGMP manufacturing of 100 million doses, subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.5.1.3 Ensuring that vial labeling and packaging is consistent with FDA guidance for use in target populations and that labeling is updated.

C.3.5.1.4 Ensuring the product complies with the Drug Supply Chain Security Act (DSCSA), Sections 581-585 of PL 113-54 (Nov. 27, 2013), including product verification, serialization, traceability and detection and response requirements subject to any exceptions established by or the enforcement discretion of the FDA.

C.3.5.1.5 Following release of the product the contractor shall deliver the product to the designated distribution site via a qualified distribution vendor in accordance with Section F and paragraph C.7 below. To the extent a natural disaster or other emergency affecting a designated delivery site restricts such site's ability to receive product, the Contractor and the USG will promptly agree on an alternate USG delivery location, or storage as Vendor Managed Inventory (VMI) at the contractor site.

C.3.5.2 Site Visits and Audits. The contractor shall accommodate periodic or ad hoc site visits by BARDA and FDA representatives for required site visits and audits at facilities used to support this contract throughout the period of performance of the contract.

C.3.5.2.1 BARDA Audits. If issues are identified during an audit, the contractor shall submit a report detailing the finding and corrective action(s) in accordance with CDRL A001.

C.3.5.2.2 FDA Audits. The Contractor shall notify the Contracting Officer and COR within [***] of a scheduled FDA audit or within [***] of an ad hoc site visit or audit if the FDA does not provide advance notice. The contractor shall provide copies of any FDA Audit Report received from subcontractors that occur as a result of this contract or for this produ...
C.4.2 Quality Management Plan. The contractor shall provide a Quality Management Plan, in accordance with CDRL A004, describing the quality policy and objectives, management review, competencies and training, process document control, feedback, evaluation, corrective action and preventive action, process improvement, measurement, and data analysis processes. The framework is normally divided into infrastructure, senior management responsibility, resource management, lifecycle management, and quality management system evaluation.

C.4.3 Shipping Documentation (CDRL A005) for all Finished Drug Product (FDP) transferring from the contractor's fill/finish facility to a USG facility. The contractor shall obtain concurrence on planned shipment protocols prior to transport.

C.4.4 Expiring Items Report (CDRL A006) for all FDP in the USG's possession.

C.4.5 Key Personnel Listing (CDRL A007).

C.4.6 Monthly Technical Progress Report (CDRL A008), to include an Integrated Master Schedule, identifying key activities and contract status.

C.4.7 Final Technical Report (CDRL A009), documenting the work performed and results obtained for the entire contract period of performance.

C.4.8 Supply Chain Resiliency Plan (SCRP). The contractor shall provide, in accordance with CDRL A010 and CDRL Attachment 0001, a comprehensive SCRP that provides for identification and reporting of critical components associated with the secure supply of drug substance, drug product, and work-in-process through to finished goods, and key equipment suppliers and their locations, including addresses, points of contact, and work performed per location, to include subcontractors.

C.4.9 Risk Management Plan (RMP). The Contractor shall provide an RMP in accordance with CDRL A011 that outlines the impacts of each risk in relation to the cost, schedule, and performance objectives. The plan shall include risk mitigation strategies. Each risk mitigation strategy shall capture how the corrective action will reduce impacts on cost, schedule and performance.

C.4.10 Manufacturing Reports and Dose Tracking. The Contractor shall provide, in accordance with CDRL A013, manufacturing reports and manufacturing dose tracking projections and actuals utilizing the USG-provided "COVID-19 Dose Tracking Template" (CDRL Attachment 0003).

C.4.11 Product Acceptance Report (for each lot of Drug Product). The contractor shall provide, in accordance with CDRL A014, pictures of the drug product with lot number, drug product lot tree, list of associated deviations (from drug substance and product), and a Certificate of Analysis.

C.4.12 Incident Report. The contractor shall communicate to BARDA and document all critical programmatic concerns, issues, or probable risks that have or are likely to significantly impact project schedule and/or cost and/or performan

C.5 Administration.

C.5.1 Post Award Teleconference. The contractor shall host a Post Award Teleconference within 15 calendar days after contract award.

C.5.1.1 The contractor shall provide an Agenda, IAW CDRL A020, detailing the planned activities for the subsequent 30 calendar days and shall discuss agenda items for the Post Award Kickoff Meeting.

C.5.1.2 The contractor shall provide Meeting Minutes IAW CDRL A021.

C.5.2 Post Award Kickoff Meeting. The contracting officer may request the contractor host a contract Kick-Off Meeting within 30 calendar days after contract award via teleconference. The contracting officer shall establish the date and time of the conference and prepare the agenda to include discussion on contract activities and schedule.

C.5.3 Bi-Weekly Teleconference. The contractor shall participate in bi-weekly teleconferences (or more frequent meetings required by the USG if warranted based on contract activities) to discuss performance on the contract.

C.5.4 The contractor shall provide an Agenda, IAW CDRL A020; Meeting Minutes in accordance with CDRL A021; and, Presentation Material in accordance with CDRL A022 for each of the aforementioned teleconferences or meetings throughout the contract period of performance.

C.5.5 Daily “Check-In”. The contractor shall participate in a daily “check-in” (via teleconference or email) to address key cost, schedule and technical updates. Daily updates may be shared with senior USG leaders during the COVID-19 response and should be provided on a non-confidential basis, unless the update includes confidential information in which case, the contractor shall provide the update in both confidential and non-confidential formats. Daily check-ins may occur on weekdays, excluding federal holidays. Upon request of the USG, check-ins may also occur on weekends and on federal holidays, provided at least 24 hours’ notice.

C.6 Security.

C.6.1 Access and General Protection/Security Policy and Procedures. The contractor shall provide all information required for background checks necessary to access critical information related to OWS, and to meet USG installation access requirements to be accomplished by the installation Director of Emergency Services or Security Office. The contractor employees shall comply with all personnel identity verification requirements as directed by the USG and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the security status of OWS change the USG may require changes in the contractor’s security matters or processes. In addition to the industry standards for employment background check forwarded to the Contractor. The Contractor shall review the Security Plan comments, and, submit a final Security Plan to the U.S. USG within thirty (30) calendar days after receipt of the comments. The Security Plan shall include a timeline for compliance of all the required security measures outlined in CDRL Attachment 0002.
C.6.3 Operational Security (OPSEC). The contractor shall develop and submit an OPSEC Standard Operating Procedure (SOP)/Plan IAW CDRL A024. The contractor shall identify in the SOP/Plan critical information related to this contract, why it needs to be protected, where it is located, who is responsible for it, and how to protect it.

C.7 CLIN 0002 Vendor Managed Inventory (VMI). The Contractor shall provide the capability to store the vaccine for up to 52 weeks, up to 100M doses of mRNA-1273 vaccine, in accordance with product labeling. The contractor shall, in accordance with paragraph C.3.1.1.6, ensure the product storage of FDP doses for up to 12 months prior to delivery consistent with all FDA requirements to ensure that the product remains available for use in target populations. The contractor shall store the product to insure product quality with audible alarms and contacting. The contractor shall notify the USG within [***] of detection of an incident with the potential to impact product quality, and implement corrective actions to mitigate the incident. BARDA/JPEO-CBRND personnel may conduct Quality Audits of the storage facility, when deemed necessary. The contractor shall notify the USG of Corrective/Preventive actions within [***] of detection of an incident with potential to impacts product quality. BARDA/JPEO-CBRND personnel may conduct Quality Audits of the storage facility, when deemed necessary.

C.7.1 The USG will provide the contractor advance notice of the required delivery locations for the vaccine. The contractor shall ship mRNA-1273 vaccines to designated locations in up to [***] in the United States. The contractor shall be responsible for shipment of all vaccine product whether acceptance is conducted at origin or destination. [***]

C.7.2 The vaccine product shall be shipped and tracked by the distribution vendor's shipping tracking number, to the USG-designated sites within the continental United States.

C.7.3 Implementation of a Vendor Managed Inventory Plan/SOP (CDRL A012) shall be provided to the USG. [***] Notwithstanding either of the foregoing sentences, the contractor shall not be liable for loss of or damage to supplies caused by the negligence of officers, agents, or employees of the USG acting within the scope of their employment.

SECTION G - CONTRACT ADMINISTRATION DATA
The following have been modified:

G.1 GOVERNMENT CONTRACT ADMINISTRATION
In no event shall any u
G.3 CONTRACTOR'S CONTRACT ADMINISTRATION

ModernaTX, Inc.
200 Technology SQ.
Cambridge, MA 02139-3578

G.4 PLACES OF PERFORMANCE

Moderna US, Inc.
200 Technology SQ.
Cambridge, MA 02139-3578

G.5 NOTIFICATION OF REVISIONS AND CHANGE

Notification of revision or changes to names or email addresses will be provided by official correspondence from the PCO/ACO or office of the PCO/ACO in lieu of a contract modification. This does not apply to any such revisions or changes in the event this contract includes a key personnel clause.

G.6 PERFORMANCE BASED PAYMENT

Performance-based payments (PBP) are authorized under this contract in accordance with FAR 52.232-32. The contractor shall bill for the PBP upon achievement of the completion criteria identified in Attachment 0007, Performance-based Payment Milestone Table. Upon achievement of the completion criteria, the contractor shall bill for the PBP for the base and each option IAW the following schedule:

<table>
<thead>
<tr>
<th>CLIN</th>
<th>PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001AA</td>
<td>BASE</td>
<td>$90,210,000</td>
</tr>
<tr>
<td>0001AB</td>
<td>BASE</td>
<td>$132,308,000</td>
</tr>
<tr>
<td>0001AC</td>
<td>BASE</td>
<td>$180,420,000</td>
</tr>
<tr>
<td>0001AD</td>
<td>BASE</td>
<td>$198,462,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$601,400,000</td>
</tr>
</tbody>
</table>
Delivery Invoicing: PBPs are a type of contract financing and are recouped by the Government through deductions of payments otherwise due to the contractor for the partial or complete delivery of contract items. The deductions are made by applying a liquidation rate to the price of delivered contract items. Attachment 0008, Performance-based Payment Milestone Billing Plan, identifies the contractor invoicing schedule for liquidation. The contractor shall submit all invoices IAW Attachment 0008.

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (DEC 2018)

(a) Definitions. As used in this clause--

“Department of Defense Activity Address Code (DoDAAC)” is a six position code that uniquely identifies a unit, activity, or organization.

“Document type” means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

“Local processing office (LPO)” is the office responsible for payment certification when payment certification is done external to the entitlement system.

“Payment request” and “receiving report” are defined in the clause at 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(b) Electronic invoicing. The WAWF system provides the method to electronically process vendor payment requests and receiving reports, as authorized by Defense Federal Acquisition Regulation Supplement (DFARS) 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall—

(1) Have a designated electronic business point of contact in the System for Award Management at https://www.sam.gov; and

(2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the “Web Based Training” link on the WAWF home page at https://wawf.eb.mil/.

(e) WAWF methods of document submission. Document submissions may be via web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor shall use the following information
(ii) For fixed price line items—
(A) That require shipment of a deliverable, submit the invoice and receiving report specified by the Contracting Officer.
(B) For services that do not require shipment of a deliverable, submit either the Invoice 2in1, which meets the requirements for the invoice and receiving report, or the applicable invoice and receiving report, as specified by the Contracting Officer.

(iii) For customary progress payments based on costs incurred, submit a progress payment request.

(iv) For performance based payments, submit a performance based payment request.

(v) For commercial item financing, submit a commercial item financing request.

(2) Fast Pay requests are only permitted when Federal Acquisition Regulation (FAR) 52.213-1 is included in the contract.

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table

<table>
<thead>
<tr>
<th>Field Name in WAWF</th>
<th>Data to be entered in WAWF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pay Official DoDAAC</td>
<td>HQ0337</td>
</tr>
<tr>
<td>Issue By DoDAAC</td>
<td>W911QY</td>
</tr>
<tr>
<td>Admin DoDAAC</td>
<td>S2206A</td>
</tr>
<tr>
<td>Inspect By DoDAAC</td>
<td>W911QY / BARDA</td>
</tr>
<tr>
<td>Acceptor</td>
<td>W911QY</td>
</tr>
<tr>
<td>Ship To</td>
<td>TDB</td>
</tr>
</tbody>
</table>

(4) Payment request. The Contractor shall ensure a payment request includes documentation appropriate to the type of payment request in accordance with the payment clause, contract financing clause, or Federal Acquisition Regulation 52.216-7, Allowable Cost and Payment, as applicable.

(5) Receiving report. The Contractor shall ensure a receiving report meets the requirements of DFARS Appendix F.

(g) WAWF point of contact.

(1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

Orlando Ortiz / DCMA Boston-AFAW, Administrative Contracting Officer / [***]
(2) Contact the WAWF helpdesk at 866-618-5988, if assistance is needed.

FOR REFERANCE:
DFARS PGI 204.7108 Payment Instructions Table

https://www.acq.osd.mil/dpap/dars/pgi/pgi_htm/current/PGI204_71.htm#payment_instructions

SECTION I - CONTRACT CLAUSES
The following have been added by reference:
52.204-25 Prohibition on Contracting for
AUG 2020 Certain Telecommunications
and Video Surveillance Services

The following have been modified:
252.232 7007 LIMITATION OF GOVERNMENT'S OBLIGATION (APR 2014)
(a) Contract line item 0003 is incrementally funded. For this item, the sum of $0.00 of the total price is
presently available for payment and allotted to this contract. An allotment schedule is set forth in
paragraph (j) of this clause.
(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the
point at which the total amount payable by the Government, including reimbursement in the event of
termination of those item(s) for the Government's convenience, approximates the total amount
currently allotted to the contract. The Contractor is not authorized to continue work on those item(s)
beyond that point. The Government will not be obligated in any event to reimburse the Contractor in
excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in
the clause entitled "TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT." As used in this
clause, the total amount payable by the Government in the event of termination of applicable contract
line item(s) for convenience includes costs, profit and estimated termination settlement costs for those
item(s).
(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the Contractor will notify the Contracting Officer in writing at least ninety days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause, or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled “TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT.”

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraph (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the Contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled “disputes.”

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled “DEFAULT.” The provisions of this clause are limited to work and allotment of funds for the contract line item(s) set forth in p
(j) The parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

On execution of contract $0.00

Upon successful completion of CLIN 0003 $300,000,000

(End of clause)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

<table>
<thead>
<tr>
<th>Document Type</th>
<th>Description</th>
<th>Page #</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibit A</td>
<td>CDRLs</td>
<td>15</td>
<td>18 July 2020</td>
</tr>
<tr>
<td>Attachment 0001</td>
<td>Supply Chain Resiliency Plan for CDRL A010</td>
<td>3</td>
<td>23 July 2020</td>
</tr>
<tr>
<td>Attachment 0002</td>
<td>Security Plan</td>
<td>7</td>
<td>23 July 2020</td>
</tr>
<tr>
<td>Attachment 0003</td>
<td>Dose Tracking Template Draft Moderna Excel</td>
<td>15 July 2020</td>
<td></td>
</tr>
<tr>
<td>Attachment 0004</td>
<td>Data Rights</td>
<td>3</td>
<td>7 August 2020</td>
</tr>
<tr>
<td>Attachment 0005</td>
<td>[***]</td>
<td>2</td>
<td>7 August 2020</td>
</tr>
<tr>
<td>Attachment 0006</td>
<td>ModernaTx, Inc. Background Intellectual Property</td>
<td>3</td>
<td>6 August 2020</td>
</tr>
<tr>
<td>Attachment 0007</td>
<td>Performance Base Payment Milestone Schedule</td>
<td>2</td>
<td>7 August 2020</td>
</tr>
<tr>
<td>Attachment 0008</td>
<td>Performance Base Payment Billing Plan</td>
<td>16</td>
<td>7 August 2020</td>
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(End of Summary of Changes)
<table>
<thead>
<tr>
<th>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</th>
<th>PAGE OF PAGES</th>
</tr>
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<tbody>
<tr>
<td>1. CONTRACT ID CODE</td>
<td>3</td>
</tr>
<tr>
<td>2. AMENDMENT/MODIFICATION NO.</td>
<td>3</td>
</tr>
<tr>
<td>4. REQUISITION/PURCHASE REQ. NO.</td>
<td>3</td>
</tr>
<tr>
<td>5. PROJECT NO. (If applicable)</td>
<td>3</td>
</tr>
<tr>
<td>6. ISSUED BY</td>
<td>CODE W911QY</td>
</tr>
<tr>
<td>7. ADMINISTERED BY (If other than item 6)</td>
<td>CODE S2206A</td>
</tr>
<tr>
<td>DEFENSE CONTRACT MANAGEMENT AGENCY</td>
<td>W6QK ACC-APG NATICK DIVISION</td>
</tr>
<tr>
<td>DCMA BOSTON</td>
<td>BLDG 1 GENERAL GREENE AVENUE</td>
</tr>
<tr>
<td>495 SUMMER STREET</td>
<td>NATICK MA 01760-5011</td>
</tr>
<tr>
<td>8. NAME AND ADDRESS OF CONTRACTOR</td>
<td>120 TECHNOLOGY SQ</td>
</tr>
<tr>
<td>9A. AMENDMENT OF SOLICITATION NO.</td>
<td>MODERNA US, INC.</td>
</tr>
<tr>
<td>9B. DATED (SEE ITEM 11)</td>
<td>200 TECHNOLOGY SQ</td>
</tr>
<tr>
<td>10A. MOD. OF CONTRACT/ORDER NO.</td>
<td>X W911QY20C0100</td>
</tr>
<tr>
<td>10B. DATED (SEE ITEM 13)</td>
<td>FACILITY CODE X</td>
</tr>
<tr>
<td>09-Aug-2020</td>
<td>09-Aug-2020</td>
</tr>
<tr>
<td>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</td>
<td>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.</td>
</tr>
<tr>
<td>12. NAME AND ADDRESS OF CONTRACTOR</td>
<td>120 TECHNOLOGY SQ</td>
</tr>
<tr>
<td>13. NAME AND ADDRESS OF CONTRACTOR</td>
<td>120 TECHNOLOGY SQ</td>
</tr>
<tr>
<td>14. DESCRIPTION OF AMENDMENT /MODIFICATION</td>
<td>(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</td>
</tr>
<tr>
<td>Modification Control Number: tscoot202802</td>
<td>OBLIGATION AMOUNT: $0.00</td>
</tr>
<tr>
<td>See Block 14 continuation page</td>
<td>Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</td>
</tr>
<tr>
<td>15A. NAME AND TITLE OF SIGNER (Type or print)</td>
<td>15B. CONTRACTOR/OFFEROR</td>
</tr>
<tr>
<td>Stephane Bancel, CEO</td>
<td>Christine F. Sordillo</td>
</tr>
</tbody>
</table>

**Important:** Contractor is not, is required to sign this document and return copies to the issuing office.

**Exception to SF 30**

STANDARD FORM 30 (Rev. 10-83)

APPROVED BY OIRM 11-84

Prescribed by GSA

FAR (48 CFR) 53.243
The following have been added by full text:

1. Add a Health Resources Priorities and Allocations System (HRPAS) priority rating of DO-HR to this contract:

   This is a DO rated contract for the purpose of emergency preparedness and the Contractor shall follow all the provisions of the Health Resources Priorities and Allocations System regulation (45 CFR Part 101). If the contractor needs to utilize industrial resources to fulfill this rated order for a health resource, it is authorized pursuant to 45 CFR §101.36(b) to place the same priority rating and program identification symbol for health resources on its orders for industrial resources with its suppliers.

2. Add a Defense Priorities and Allocation System (DPAS) priority rating of DO-C9 to this contract to act as the equivalent to the HRPAS priority rating of DO-HR.

3. Add FAR 52.211-15, Defense Priority and Allocation Requirements:

   This is a rated order certified for national defense, emergency preparedness, and energy program use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

4. Add Attachment 0009 - HRPAS Moderna Letter to Section J

The total funded amount and total contract price remain unchanged.

SECTION A - SOLICITATION/CONTRACT FORM

The DPAS code DO-C9 has been added.

The contractor organization has changed from MODERNATX, INC. [***] 200 TECHNOLOGY SQ CAMBRIDGE MA 02139-3578 to MODERNA US, INC. [***] 200 TECHNOLOGY SQ CAMBRIDGE MA 02139-3578.

SECTION I - CONTRACT CLAUSES
**52.211-15**  DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (APR 2008)

This is a rated order certified for national defense, emergency preparedness, and energy program use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

(End of clause)

**SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

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<td>Performance Base Payment Billing Plan</td>
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<td>7 August 2020</td>
</tr>
<tr>
<td>Attachment 0009</td>
<td>HRPAS Moderna Letter</td>
<td>1</td>
<td>3 September 2020</td>
</tr>
</tbody>
</table>

(End of Summary of Changes)