

Procurement Plan

| Basic Data | |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Project Name: Himachal Pradesh Subtropical Horticulture, Irrigation and Value Addition Project | |
| Project Number: 53189-002 | Approval Number: |
| Country: India | Executing Agency: Department of Horticulture (DOH) |
| Procurement Risk: Medium | Implementing Agency: DOH and Jal Shakti Vibhag (JSV) |
| Project Financing Amount: \$ 163.1 million ADB Financing: \$130 million Non-ADB Financing: \$ 33.1 million | Project Closing Date: 31 June 2028 |
| Date of First Procurement Plan: 2 Oct 2022 | Date of this Procurement Plan: 2 Oct 2022 |
| Procurement Plan Duration: 18 months | Related to COVID-19 response efforts: no |
| Advance contracting: yes | Use of e-procurement (e-GP): yes https://www.hptenders.gov.in |

A. Methods, Review and Procurement Plan

1. Except as the Asian Development Bank (ADB) may otherwise agree, the following methods shall apply to procurement of goods, works, non-consulting services, and consulting services.

| Procurement of Goods, Works and Non-consulting Services | |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Method | Comments |
| Open Competitive Bidding (OCB) National Advertisement for works | Local contractors are experienced, and the local market is competitive. DOH and DIPH to procure OCB works using e-Procurement system. The e-Procurement system only allows the bidding procedure of 1S2E as per the state procurement guidelines. The first draft English version of the procurement documents should be submitted for ADB review and approval regardless of the estimated contract amount. ADB-approved documents to be used as a model for subsequent OCB with national advertising for works with post review. |
| Open Competitive Bidding (OCB) National Advertisement for Goods | May be used for procurement of clean planting materials of large quantities, as may be appropriate. |
| Request for Quotation for Goods and Non consulting Services | Plant materials and equipment, agriculture input, furniture, office and agriculture testing equipment are readily available in local market. The first draft English version of the procurement documents should be submitted for ADB review and approval regardless of the estimated contract amount. ADB-approved documents to be used as a model for subsequent RFQ for goods and non-consulting services. |
| Direct Contracting for Goods | Direct contracting may be used to do shopping from the same suppliers that were used under the PRF or for the first 4,000 ha development and from suppliers to procure the quantity of goods that need pre-order. |

| Consulting Services | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Method | Comments |
| Quality- and Cost-Based Selection | For the contracting of design, supervision, and capacity building consultancy teams through a firm. Advertising nationally and through the ADB CMS have been selected as there are several national companies/ individual consultants in Borrower's country with a mix of international and national experience. This will also help build capacity amongst domestic consulting firms/ individuals. |
| Least Cost Selection | For consultancy assignments that are standard in nature (e.g. auditing) |
| Direct Contracting for | Direct contracting may be used to engage consultants: |

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| Consulting Firm and Individual Consultant | a. From the PRF to ensure continuity b. For assignments that are very specialized. |
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B. List of Active Procurement Packages (Contracts)

2. The following table lists goods, works, non-consulting, and consulting services contracts for which the procurement activity is either on-going or expected to commence within the duration of this Procurement Plan (which covers the initial 4000 Ha).

Goods, Works, and Nonconsulting Services

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|--------------------------|------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JSV-lift irrigation-CW01 | Lift Irrigation (including SCADA) – Solan (incl contingencies) | 3,950,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW02 | Lift Irrigation (including SCADA) – Sirmour (incl contingencies) | 2,180,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW03 | Lift Irrigation (including SCADA) – Hamirpur 1 | 1,720,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|--------------------------|------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | Covid-19 Response: No Note: including 8% contingencies |
| JSV-lift irrigation-CW04 | Lift Irrigation (including SCADA) – Hamirpur 2 | 2,880,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW05 | Lift Irrigation (including SCADA) – Bilaspur 1 | 3,000,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW06 | Lift Irrigation (including SCADA) – Bilaspur 2 | 1,920,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|--------------------------|----------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JSV-lift irrigation-CW07 | Lift Irrigation (including SCADA) – Mandi 1 | 6,400,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW08 | Lift Irrigation (including SCADA) – Mandi 2 | 1,200,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW09 | Lift Irrigation (including SCADA) – Kangra 1 | 5,150,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW10 | Lift Irrigation (including SCADA) – Kangra 2 | 3,460,000 | OCB-National | Prior | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|------------------------------|-------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV-lift irrigation-CW11 | Lift Irrigation (including SCADA) - Una | 2,070,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 1 Advance Contracting: No High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Field Preparation -CW12A | Field Preparation Works-1(first 4,000 ha) | 9,000,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 11 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No Total 11 Lots Lot 1: Solan Lot 2: Sirmour Lot 3: Hamirpur 1 Lot 4: Hamirpur 2 Lot 5: Bilaspur 1 Lot 6: Bilaspur 2 Lot 7: Mandi 1 |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|--------------------------------------|------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | Lot 8: Mandi 2 Lot 9: Kangra 1 Lot 10: Kangra 2 Lot 11: Una |
| DOH-Drip Irrigation-CW13A | Works for Drip Irrigation with Solar Pumping-1 | 15,900,000 | OCB-National | Prior | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 11 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No Total 11 Lots Lot 1: Solan Lot 2: Sirmour Lot 3: Hamirpur 1 Lot 4: Hamirpur 2 Lot 5: Bilaspur 1 Lot 6: Bilaspur 2 Lot 7: Mandi 1 Lot 8: Mandi 2 Lot 9: Kangra 1 Lot 10: Kangra |
| DOH-Animal Proof Solar Fencing-CW14A | Works for Animal Proof Solar Fencing-1 | 10,300,000 | OCB-National | Post (sampling) | 1S2E | Q3 2022 | Non-Consulting Services: No No. Of Contracts: 11 Advance Contracting: Yes High Risk Contract: No e-GP: Yes |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|------------------------------------------|----------------------------------------------------------------------|----------------------|--------------------|--------|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | e-GP Type: e-Bidding Covid-19 Response: No Total 11 Lots Lot 1: Solan Lot 2: Sirmour Lot 3: Hamirpur 1 Lot 4: Hamirpur 2 Lot 5: Bilaspur 1 Lot 6: Bilaspur 2 Lot 7: Mandi 1 Lot 8: Mandi 2 Lot 9: Kangra 1 Lot 10: Kangra |
| DOH- Center of Excellence- CW15 | Construction Works for Horticulture Center of Excellence | 1,400,000 | OCB- National | Prior | 1S2E | Q3 2022 | Non- Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| JSV- irrigation- CW17B | Additional water storage – design modification | 3,000,000 | OCB- National | Prior | 1S2E | Q4 2022 | Non- Consulting Services: No No. Of Contracts: 1 Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOH-Horticulture Inputs - G01AA | Supply of Horticulture input (Fertilizers, Nutrients, Insecticides and Pesticides) for 1435 Ha – 1 st year | 2,000,000 | RFQ | Prior | RFQ | Q3 2022 | No Non-Consulting Services: No No. Of Contracts: Multiple Lots (9) with multiple small value contracts Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No (Multiple lots) |
| DOH-Horticulture Inputs – G01AB | Supply of Horticulture input (Fertilizers, Nutrients, Insecticides and Pesticides) for 2630 Ha – 2 nd year | 2,300,000 | RFQ | Post (sampling) | RFQ | Q2 2023 | No Non-Consulting Services: No No. Of Contracts: Multiple Lots (9) with multiple small value contracts Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No (Multiple lots) |
| DOH-Farm Tools & Implements – G02A | Supply of Farmers Tools/Implements (knapsack, power tiller, PH Meter, EC Meter, Drum, Secateur) – 1 st | 350,000 | RFQ | Post (sampling) | RFQ | Q3 2022 | No Non-Consulting Services: No No. Of Contracts: Multiple Lots (6) with multiple |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | year (1435 ha) | | | | | | small value contracts Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No (Multiple lots) |
| DOH-Farm Tools & Implements – G02B | Supply of Farmers Tools/Implement (knapsack, power tiller, PH Meter, EC Meter, Drum, Secateur) – 2 nd year (2630 ha) | 650,000 | RFQ | Post (sampling) | RFQ | Q2 2023 | Non-Consulting Services: No No. Of Contracts: Multiple Lots (6) with multiple small value contracts Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No (Multiple lots) |
| DOH-Planting Materials-G03A | Supply of Citrus Planting Materials – 1 st year | 1,350,000 | RFQ | Prior | RFQ | Q2 2022 | Non-Consulting Services: No No. Of Contracts: Multiple small value Contracts based on multiple Lots (29) for each 'variety' under the same crop Advance Contracting: |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|-----------------------------|----------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03B | Supply of Guava Planting Materials – 1 st year | 740,000 | RFQ | Post (sampling) | RFQ | Q2 2022 | Non-Consulting Services: No No. Of Contracts: Multiple small value Contracts based on multiple (27) Lots for each 'variety' under the same crop Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03C | Supply of Litchi and Pomegranate Planting Materials – 1 st year | 120,000 | RFQ | Post (sampling) | RFQ | Q2 2022 | Non-Consulting Services: No No. Of Contracts: Single Contract for entire quantity (single lot) Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|-----------------------------|------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOH-Planting Materials-G3D | Supply of Persimmon and Plum Planting Materials – 1 st year | 120,000 | RFQ | Post (sampling) | RFQ | Q2 2022 | Non-Consulting Services: No No. Of Contracts: Single Contract for entire quantity (single lot) Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03E | Supply of Citrus Planting Materials – 2 nd year | 2,500,000 | RFQ/DC/ Framework | Prior | RFQ/DC | Q2 2023 | Non-Consulting Services: No No. Of Contracts: Multiple Contracts based on Lots for each 'variety' under the same crop Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03F | Supply of Guava Planting Materials – 2 nd year | 880,000 | RFQ/DC/ Framework | Post (sampling) | RFQ/DC | Q2 2023 | Non-Consulting Services: No No. Of Contracts: Multiple Contracts based on Lots for each 'variety' under the same crop |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|------------------------------|------------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03-G | Supply of Litchi + Pomegranate Planting Materials – 2 nd year | 210,000 | RFQ/DC/ Framework | Post (sampling) | RFQ/DC | Q2 2023 | Non-Consulting Services: No No. Of Contracts: Multiple Contracts based on Lots for each 'variety' under the same crop Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| DOH-Planting Materials-G03H | Supply of Plum + Pecan Nut + Mango Planting Materials – 2 nd year | 210,000 | RFQ/DC/ Framework | Post (sampling) | RFQ/DC | Q2 2023 | Non-Consulting Services: No No. Of Contracts: Multiple Contracts based on Lots for each 'variety' under the same crop Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: |

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| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|----------------------------------------------------------|-----------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PMU-office furniture & equipment -G04 | Office equipment and furniture (including CoE + districts beyond PRF) | 120,000 | RFQ | Prior | RFQ | Q3 2023 | No Non-Consulting Services: No No. Of Contracts: multiple Advance Contracting: No High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No (Multiple lots) |
| CHPMA Packaging, Branding and Promotional Materials– G05 | CHPMA Packaging, Branding and Promotional Materials | 270,000 | RFQ | Post (sampling) | RFQ | Q2 2023 | No Non-Consulting Services: No No. Of Contracts: Multiple Lots (6) with multiple small value contracts Advance Contracting: Yes High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Covid-19 Response: No |
| PMU-vehicle-G06 | Vehicle Hire/ transportation costs | 1,150,000 | RFQ | Post | RFQ | Q3 2022 | No Non-Consulting Services: No No. Of Contracts: multiple, one per district for seven districts + PMU for seven years after PRF period. Advance Contracting: |

| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Advertisement Date | Comments |
|----------------|---------------------|----------------------|--------------------|--------|-------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | <p>Yes High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Covid-19 Response: No</p> <p>Note:- Contracts will be for initial validity of one year and extendable over the project period of seven years with price adjustment based on transportation price index (CPI) on yearly basis.</p> <p>ADB review of the budget before tendering</p> |

Consulting Services

| Package Number | General Description | Estimated Value (\$) | Selection Method | Review | Type of Proposal | Advertisement Date | Comments |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|--------|------------------|--------------------|--------------------------------------------------------------------------------------------------------|
| PMU-Construction Supervision-CS-01A | Construction Supervision of Lift Irrigation, Drip Irrigation, Solar Fencing, Land Preparation and Centre of Excellence-1 | 1,400,000 | QCBS | Prior | STP | Q2 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |
| PMU-detailed design-CS02 | Detailed Design and Engineering Services | 410,000 | CQS | Prior | FTP | Q3 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |

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| Package Number | General Description | Estimated Value (\$) | Selection Method | Review | Type of Proposal | Advertisement Date | Comments |
|--------------------------|--------------------------------------------------------------------------------------|----------------------|------------------|--------|------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | Comment: For the remaining 4,000ha (Phase 2). |
| PMU-Internal Audit-CS-03 | Internal Audit Services | 60,000 | LCS | Post | BTP | Q4 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |
| DOH-Agritech-CS-04A | Digital Agtech Advisory Services | 340,000 | CQS | Prior | STP | Q3 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |
| DOH-Land DB-CS-04B | Land DB establishment | 380,000 | CQS | Prior | STP | Q3 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |
| DOH-RESEARCH-CS-05A | Technical Studies (1) – Geospatial climate vulnerability | 55,000 | CQS | Prior | BTP | Q3 2022 | Non-Consulting Services: No Type: Firm (Horticulture University) Assignment: National e-GP: No Covid-19 Response: No |
| DOH-RESEARCH-CS-05B | Technical Studies (2) – Climate resilient variety development | 240,000 | CQS | Prior | BTP | Q3 2022 | Non-Consulting Services: No Type: Firm (Horticulture University) Assignment: National e-GP: No Covid-19 Response: No |
| DOH-RESEARCH-CS-05C | Technical Studies (3) - POP Training and Updating, Nutrient Management Training, and | 340,000 | DC | Prior | DC | Q3 2022 | Non-Consulting Services: No Type: Firm (Horticulture University) Assignment: National |

| Package Number | General Description | Estimated Value (\$) | Selection Method | Review | Type of Proposal | Advertisement Date | Comments |
|---------------------------|-------------------------------------------------------------------|----------------------|------------------|--------|------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | farmer group training | | | | | | e-GP: No Covid-19 Response: No Note: to be done in two phases |
| DOH-RESEARCH-CS-05D | Technical Studies (4) – carbon financing and credit | 170,000 | CQS | Prior | BTP | Q3 2022 | Non-Consulting Services: No Type: Firm (Horticulture University) Assignment: National e-GP: No Covid-19 Response: No |
| DOH-CHPMA formation-CS-06 | CHPMA formation and training including WUA formation and training | 5,400,000 | QCBS 80:20 | Prior | FTP | Q3 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No Comment: capacity building and daily-basis support for farmers of 6,000 ha (formation done under the PRF financed contract) |
| DOH-CHPMA Business-CS-07 | CHPMA Business Capacity Building (for 3 Years) | 3,000,000 | QCBS | Post | STP | Q3 2022 | Non-Consulting Services: No Type: Firm for a period of four years Assignment: National e-GP: No Covid-19 Response: No Note: Apex Body Capacity Building + financial management training + Business Network platform+ branding and promotion |

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| Package Number | General Description | Estimated Value (\$) | Selection Method | Review | Type of Proposal | Advertisement Date | Comments |
|-----------------------------------------|----------------------------------------------------------|----------------------|------------------|--------|------------------|--------------------|------------------------------------------------------------------------------------------------------------------|
| | | | | | | | strategies + operational support Note2: After 3 years of support, CHPMA is expected to take up this role. |
| PMU-Support Team-CS-08 | Project Implementation Support Consultants (PISC) - Firm | 1,100,000 | QCBS | Prior | BTP | Q3 2022 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |
| DOH-nursery certification training-CS11 | Nursery certification training and roll-out | 240,000 | CQS | Prior | STP | Q4 2023 | Non-Consulting Services: No Type: Firm Assignment: National e-GP: No Covid-19 Response: No |

C. List of Indicative Packages (Contracts) Required under the Project

3. The following table lists goods, works, non-consulting and consulting services contracts covering balance 4,000 Ha for which the procurement activity is expected to commence beyond the procurement plan duration and over the life of the project (i.e. those expected beyond the current procurement plan's duration).

| Goods, Works and Non-consulting Services | | | | | | |
|------------------------------------------|----------------------------------------------------------------------------------------|----------------------|--------------------|-----------------|-------------------|--------------------------------|
| Package Number | General Description | Estimated Value (\$) | Procurement Method | Review | Bidding Procedure | Comments |
| DOH-field preparation 2-CW12B | Phase 2 – Works for Field Preparation (the remaining 2000 ha) | 3,000,000 | OCB-National | Post (sampling) | 1S2E | Q2 2024 |
| DOH-drip irrigation-2-CW13B | Phase 2 – Works for Drip Irrigation Schemes with Solar Pumping (the remaining 4000 ha) | 16,000,000 | OCB-National | Post (sampling) | 1S2E | Q2 2024 |
| DOH fencing-2-CW14B | Phase 2 – Works for Animal Proof Solar Fencing (the remaining 2000 ha) | 13,000,000 | OCB-National | Post (sampling) | 1S2E | Q2 2024 |
| DOH-Value Chain Facilities-CW16 | Construction Works for CHPMA facilities for cooperative, IPHM infrastructure etc. | 4,800,000 | OCB-National | Post (sampling) | 1S2E | Q2 2024 (Multiple lots) |
| JSV-lift | Phase 2 –Works for | 7,000,000 | OCB-National | Post | 1S2E | Q2 2024 |

| | | | | | | |
|----------------------------------|-----------------------------------------------------------------------------|------------|--------------|-----------------|------|---------|
| irrigation Phase2-CW17A | Functional Lift Irrigation Scheme expansions (the remaining 2000 ha) | | | (sampling) | | |
| JSV-lift irrigation Phase2-CW17C | JSV Irrigation Scheme – Miscellaneous Funds | 3,000,000 | OCB-National | Post (sampling) | 1S2E | Q2 2024 |
| DOH- planting materials 3-G03I | Planting Materials for the remaining 4000 ha – 3 rd year onwards | 4,2050,000 | RFQ | Post (sampling) | RFQ | Q2 2024 |

| Consulting Services | | | | | | | |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|---------------------|-------------------------------|-----------------|-----------------------------------------------------------------------------------------------|
| Package Number | General Description | Estimated Value (\$) | Selection Method | Review ⁶ | Type of Proposal ⁷ | Date of Advert. | Comments ⁸ |
| PMU-construction supervision 2-CS01B | Construction Supervision of Lift Irrigation, Drip Irrigation, Solar Fencing, Land Preparation and Centre of Excellence-2 (the remaining 2000 Ha) | 1,100,000 | CQS/SS | Prior | TBC | Q4 2023 | Contract Variation of existing consulting firm subject to satisfactory performance in Phase 1 |
| DOH-IEC-CS10 | IEC – KM, communication, digital contents | 280,000 | QCBS | Post | STP | Q4 2024 | |

D. List of Awarded and Completed Contracts

4. The following table lists the awarded contracts and completed contracts for goods, works, non-consulting, and consulting services.

| Goods, Works and Nonconsulting Services | | | | | |
|-----------------------------------------|---------------------|-----------------------------|------------------------------------------------------|----------------------------------|------------------------|
| Package Number | General Description | Contract Value ⁹ | Date of ADB Approval of Contract Award ¹⁰ | Date of Completion ¹¹ | Comments ¹² |
| NA | NA | NA | NA | NA | NA |

| Consulting Services | | | | | |
|---------------------|---------------------|-----------------------------|------------------------------------------------------|----------------------------------|------------------------|
| Package Number | General Description | Contract Value ⁹ | Date of ADB Approval of Contract Award ¹⁰ | Date of Completion ¹¹ | Comments ¹² |
| NA | NA | NA | NA | NA | NA |

E. Non-ADB Financing

5. The following table lists goods, works, nonconsulting, and consulting services contracts over the life of the project, financed by non-ADB sources.

| Goods, Works and Nonconsulting Services | | | | |
|-----------------------------------------|----------------------------------|-------------------------------|--------------------|------------------------|
| General Description | Estimated Value (cumulative, \$) | Estimated Number of Contracts | Procurement Method | Comments ¹³ |
| NA | NA | NA | NA | NA |

| Consulting Services |
|---------------------|
|---------------------|

INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission.

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| General Description | Estimated Value (cumulative, \$) | Estimated Number of Contracts | Recruitment Method | Comments |
|-------------------------------------------------|-------------------------------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Statutory Audit of Project Financial Statements | 70,000 | NA | LCS | This will be conducted either by CAG (Comptroller and Auditor General of India) or by CAG empanelled Audit Firms. LCS will be applicable in case selection is made from CAG empanelled audit firms. |