**Application Form**

1. Firm Name :- …………………………………………………………………………..
2. Head Office Address :-………………………………………………………………...

 Telephone:-……………………….. Fax………………………………

 Email…………………………………………………………………..

1. Responsible Person……………………………………………………………………..

Position…………………………………………………………………...

Telephone………………… Mobile………………. Fax:-…………….

 Email:-…………………………………………………………………

1. Firm Registration No…………………… RegisteredOffice………………………..

Date………………………………………………………………

1. PAN/VAT Registration No………………………. Date………………………….......
2. Business Type/ Purpose :…………………………………………………………….
3. Financial Situation of Last three Years. (If Available Attach Audit report of three years)

Information from Balance sheet

|  |  |  |  |
| --- | --- | --- | --- |
| Fiscal Year | 1 | 2 | 3 |
| Total Assets |  |  |  |
| Total Liabilities |  |  |  |
| Net Worth |  |  |  |
| Current Assets |  |  |  |
| Current Liabilities |  |  |  |

8 . Information from Income Statement (If Available of three years)

|  |  |  |  |
| --- | --- | --- | --- |
| Fiscal Year | 1 | 2 | 3 |
| Total Revenues |  |  |  |
| Profit Before Tax |  |  |  |
| Profit After Tax |  |  |  |

Financial Resources ( Add if required )

|  |  |  |
| --- | --- | --- |
| No. | Source of Financing | Amount |
| 1 |  |  |
| 2 |  |  |

 Note – The letter from the bank must be unconditional

 9. Rate and details of the Equipment’s that the firm can supply as of annex-1

 Brief Specification of Equipments for Shallow Tube-well

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipment | Estimated per unit cost( including VAT if applicable) | Brand | Model | PowerHP | Per unit cost ( Including VAT & Tax) |
| Rate in figures | Rate in words |
| 1 | 90 mm PN6 HDPE पाईप | 116.19 |  |  |  |  |  |
| 2 | स्क्रीन जाली | 41 |  |  |  |  |  |
| 3 | नेपुल 3 ईन्चको 3 फीट | 1820 |  |  |  |  |  |
| 4 | चेक भेल 3 ईन्च | 1825 |  |  |  |  |  |
| 5 | नेपुल3 ईन्चको 6 ईन्च | 350 |  |  |  |  |  |
| 6 | बोटल टी 3ईन्च | 910 |  |  |  |  |  |
| 7 | ढिकीपम्प | 1010 |  |  |  |  |  |
| 8 | सक्सनपाईप ३ ईन्चको 3फीट | 760 |  |  |  |  |  |
| 9 | पम्पसेट 5 ह.पा. (चाईनिज) | 29000 |  |  |  |  |  |
| 10 | 110 mm PN6 HDPE पाईप | 170।71 |  |  |  |  |  |
| 11 | नेपुल4 ईन्चको 3फीट | 2400 |  |  |  |  |  |
| 12 | चेक भेल ४ ईन्च | 2050 |  |  |  |  |  |
| 13 | नेपुल४ ईन्चको 6ईन्च | 400 |  |  |  |  |  |
| 14 | बोटलटी 4ईन्च | 1025 |  |  |  |  |  |
| 15 | मोटर 1 ह.पा. | 19550 |  |  |  |  |  |
| 16 | मोटर2ह.पा. | 25590. 50 |  |  |  |  |  |

 10. Rate and details of the Equipment’s that the firm can supply as of annex-2

 Brief Specification of Equipments

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipment | Estimated per unit cost( including VAT if applicable) | Brand | Model | PowerHP | Per unit cost ( Including VAT & Tax) |
| Rate in figures | Rate in words |
| 1 | Solar Irrigation system Solar Irrigation system **one Lakh LPD@30m Category** | 500,676 |  |  |  |  |  |
| 2 | Solar Irrigation system Solar Irrigation system **one LakhLPD@20m Category** | 343099 |  |  |  |  |  |

 **(A) Solar Irrigation system Solar Irrigation system 1 Lakh LPD@20m Category(Boring excluded)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.N** | **Description (Specification)** | **Unit** | **Qty** | **Rate**  |  **Amount**  | **remarks** |
| 1 | Solar panel (Module 400Wp) | NOS | 3 |  |  |  |
| 2 | Controller & Remote Monitoring | SET | 1 |  |  |  |
| 3 | DC PUMP 0.75 kW (MOTOR+PUMP) | SET | 1 |  |  |  |
| 4 | Fitting materials (nut/bolts/wire/switch/clip/mcb etc) | SET | 1 |  |  |  |
| 5 | Mounting Frame GI | SET | 1 |  |  |  |
| 6 | Installation  | SET | 1 |  |  |  |
|  |  **Sub-Total**  |  |  |  |  |  |
|  |  VAT@13%  |  |  |  |  |  |
|  |  **Grand Total**  |  |  |  |  |  |

**(B) Solar Irrigation system Solar Irrigation system 1 Lakh LPD@30m Category(Boring excluded)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.N** | **Description (Specification)** | **Unit** | **Qty** | **Rate**  |  **Amount**  | **remarks** |
| 1 | Solar panel (Module 400Wp) | NOS | 5 |  |  |  |
| 2 | Controller & Remote Monitoring | SET | 1 |  |  |  |
| 3 | DC PUMP 1.5 kW(MOTOR+PUMP) | SET | 1 |  |  |  |
| 4 | Fitting materials (nut/bolts/wire/switch/clip/mcb etc) | SET | 1 |  |  |  |
| 5 | Mounting Frame GI | SET | 1 |  |  |  |
| 6 | Installation  | SET | 1 |  |  |  |
|  |  **Sub-Total**  |  |  |  |  |  |
|  |  VAT@13%  |  |  |  |  |  |
|  |  **Grand Total**  |  |  |  |  |  |

**Note:- if the proposed amount of the shallow tubwell & Solar pump equipments is greater than estimated per unit cost then the firm/company who has been proposed that amount will be eliminated.**

11. Availability of Equipments that the firm can supply (For this FY)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipments | Brand | Model | Available in stock (N0s) | Quantity that can be supplied in this FY (NOs) | Rate in figures | Total Amount (NRs)\* |
| 1 | 90 mm PN6 HDPE पाईप |  |  |  |  |  |  |
| 2 | स्क्रीन जाली |  |  |  |  |  |  |
| 3 | नेपुल3ईन्चको 3फीट |  |  |  |  |  |  |
| 4 | चेक भेल 3 ईन्च |  |  |  |  |  |  |
| 5 | नेपुल3 ईन्चको 6 ईन्च |  |  |  |  |  |  |
| 6 | बोटलटी 3ईन्च |  |  |  |  |  |  |
| 7 | ढिकीपम्प |  |  |  |  |  |  |
| 8 | सक्सनपाईप ३ ईन्चको 3फीट |  |  |  |  |  |  |
| 9 | मोटर1ह.पा. |  |  |  |  |  |  |
| 10 | पम्पसेट 5 ह.पा. (चाईनिज) |  |  |  |  |  |  |
| 11 | 110 mm PN6 HDPE पाईप |  |  |  |  |  |  |
| 12 | नेपुल4 ईन्चको 3फीट |  |  |  |  |  |  |
| 13 | चेक भेल ४ ईन्च |  |  |  |  |  |  |
| 14 | नेपुल४ ईन्चको 6ईन्च |  |  |  |  |  |  |
| 15 | बोटलटी 4ईन्च |  |  |  |  |  |  |
| 16 | मोटर2ह.पा. |  |  |  |  |  |  |
| 17 | पम्पसेट 5 ह.पा. (Indian) |  |  |  |  |  |  |

12. Availability of Equipments that the firm can supply for Solar Irrigation (For this FY)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipments | Brand | Model | Available in stock (N0s) | Quantity that can be supplied in this FY (NOs) | Rate in figures | Total Amount (NRs)\* |
| 1 | Solar Irrigation system Solar Irrigation system **one Lakh LPD@30m Category** |  |  |  |  |  |  |
| 2 | Solar Irrigation system Solar Irrigation system **one LakhLPD@20m Category** |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **S.N.** | **Technical specification** | **Bidder's specification** |
| **Product** | **Particulars** |
| 1 | 4" and 3” HDPE Pipe | NS Standard, PN6 HDPE Pipe |   |
| 2 | Bottle Tee C.I 4” and 3” | T Joint for joining hand pump and pump and suction line with check valve of 4” and 3” and nipple 4” and 3” of 6” |   |
| 3 | Single Phase 2 HP Electric motor-pump  | single phase 2 hp electrical pump with minimum discharge 6 l/s and head 12m, having voltage 140-240v range, and pump having ISI or NS standard  |   |
| 4 | Single Phase 1 HP Electric motor-pump  | single phase 1 hp electrical pump with minimum discharge 4-5l/s, and head 10m, having voltage 200-220v range, and pump having ISI or NS standard  |   |
| 5 | Disel Pump set (Chinese) | Diesel engine 4 stroke pump set 5 hp or more |  |
| 6 | Disel Pump set (Inian) | Diesel engine 4 stroke pump set 5 hp or more |  |
| 7 | 4" and 3” G.I. nipple pipe | 4'' and 3” G.I pipe of 3 feet, heavy class NS Standard |   |
| 8 | 4" and 3” G.I. nipple pipe | 4'' and 3” G.I pipe of 6 inches, heavy class NS Standard |  |
| 8 | Suction pipe  | It should be of 3’ of 3” |  |
| 10 | MS Small hand pump for priming | complete set |   |
| 11 | Screen net | 20 to 40 Mesh as per requirements |   |
| 12 | Check valve | 4” and 3” |  |

13 Technical Specification of Shallow Tube-well

|  |  |
| --- | --- |
| Delivery Place | **All Equipment should be delivered to:**Agriculture Knowledge CentreKalaiya (Bara), Madhesh Province, Nepal |

14. Technical Specification of Solar Irrigation system

A.Solar Irrigation system 1Lakh LPD@30m Category

|  |
| --- |
| **General Details of Solar Irrigation system (Boring excluded)** |
| Pump type - surface/ submersible | DC Submersible |
| Pump power rating | 1.5 kW or more |
| Water Discharge (LPD) | Minimum 1 Lakh LPD at maximum head |
| Operating Pump Head (M) | **30** Meter or more |
| Solar Module Configuration  | 400 Wp X 5 Nos |
| Solar PV Module (in Watt)  | 2000Wp or more |

List of Items of Solar Irrigation system for1Lakh LPD @30m Category

|  |  |  |  |
| --- | --- | --- | --- |
| **Item no.** | **Particulars**  | **Quantity** | **Remarks**  |
| 1 | Solar panel(Module 400Wp) | 5 | RETS certified |
| 2 | Controller &Remote Monitoring | 1set |  |
| 3 | DC PUMP1.5 kW (MOTOR+PUMP) | 1 |  |
| 4 | Fitting materials (nut/bolts/wire/switch/clip/mcb etc) | 1set |  |
| 5 | Mounting Frame GI | 1 |  |
| 6 | Installation  | 1 |  |

B. Solar Irrigation system 1 Lakh LPD@20mCategory

|  |
| --- |
| **General Details of Solar Irrigation system (Boring excluded)** |
| Pump type - surface/ submersible | DC Submersible |
| Pump power rating | 0.75 kW or more |
| Water Discharge (LPD) | Minimum 1 Lakh LPD at maximum head |
| Operating Pump Head (M) | **20** Meter or more |
| Solar Module Configuration  | 400 Wp X 3 Nos |
| Solar PV Module (in Watt)  | 1200Wp or more |

List of Items of Solar Irrigation systemfor 1 Lakh LPD@20m Category

|  |  |  |  |
| --- | --- | --- | --- |
| **Item no.** | **Particulars**  | **Quantity** | **Remarks**  |
| 1 | Solar panel(Module 400Wp) | 3 | RETS certified |
| 2 | Controller&Remote Monitoring | 1set |  |
| 3 | DC PUMP0.75 kW (MOTOR+PUMP) | 1 |  |
| 4 | Fitting materials (nut/bolts/wire/switch/clip/mcb etc) | 1set |  |
| 5 | Mounting Frame GI | 1 |  |
| 6 | Installation  | 1 |  |

**Specifications & Requirement for Solar panel**

|  |  |  |  |
| --- | --- | --- | --- |
| **s.n** | **Particulars** | **Required specification** | **Offered specification** |
|  | Certification  | RETS pass |  |
|  | Type  | Mono-crystalline  |  |
|  | Maximum power | 400 Wp or more |  |
|  | Voltage (Vmpp) | At least 31 V |  |
|  | Current (Impp) | Above 9.5 A |  |
|  | Operating temperature | -20 to +60 |  |
|  | Maximum system voltage  | Up to 1000 VDC |  |
|  | Series fuse rating | At least 20 A |  |
|  | Junction box | Weather proof |  |
|  | Documents  | Brochures/booklets |  |
|  | warranty | At least 20 years |  |

**Specifications & Requirement for Controller & Remote Monitoring for 1 Lakh LPD@30m Category**

| **s.n.** | **Particulars** | **Required specification** | **Offered specification** |
| --- | --- | --- | --- |
|  | Pump Controller Model No. |  Model No |  |
| 1. 1
 | Pump Controller Rating | 1.5 kW |  |
| 1. 2
 | MPPT Range | 100-260 VDC |  |
| 1. 3
 | Controller I/P Voc | 100-320 VDC |  |
| 1. 4
 | Controller I/P Vmp | 150-260 VDC |  |
|  | Controller I/P Current DC | 12 Amps |  |
|  | Controller O/P Current | 12 Amps |  |
|  | Controller I/P Power (W) | 1.5 KW |  |
|  | Enclosure IP Protection | IP 65 |  |
|  | MPPT Tracking | yes |  |
|  | Operating Temp | C (-10) to C (+55) |  |
|  | Inside the control box temperaturerange | up to 60 |  |
|  | Relative Humidity | Less than 95%, |  |
|  | Controller input over voltage | 450 VDC |  |
|  | Controller input under voltage | 70 VDC |  |
|  | Controller Efficiency | more than 90% |  |
|  | Degree of Protection | IP 65 |  |
|  | Protection | Overload, under Voltage, reverse Polarity, dry run etc.  |  |
| **Remote Monitoring** |
|  | Operating Voltage Range | 100 -350 VDC |  |
|  | Communication Band | 2G / 3G / 4G |  |
|  | Antenna Type  | Internal |  |
|  | Type of SIM card  | (Standard, Micro etc.) |  |
|  | Memory type  | (on-board, SD Card etc.) |  |
|  | Suitable Controllers | Model  |  |
|  | Communication Port  | Modbus |  |
|  | Remote Switching Pump ON-OFF feature Available  | (Y/N) |  |

**Specifications & Requirement for Controller & Remote Monitoring for 1 Lakh LPD@20m Category**

| **s.n.** | **Particulars** | **Required specification** | **Offered specification** |
| --- | --- | --- | --- |
|  | Pump Controller Model No. |  Model No |  |
| 1. 1
 | Pump Controller Rating | 0.75 kW |  |
| 1. 2
 | MPPT Range | 70-150 VDC |  |
| 1. 3
 | Controller I/P Voc | 70-170 VDC |  |
| 1. 4
 | Controller I/P Vmp | 90-150 VDC |  |
|  | Controller I/P Current DC | 12 Amps |  |
|  | Controller O/P Current | 12 Amps |  |
|  | Controller I/P Power (W) | 0.75 KW |  |
|  | Enclosure IP Protection | IP 65 |  |
|  | MPPT Tracking | yes |  |
|  | Operating Temp | C (-10) to C (+55) |  |
|  | Inside the control box temperaturerange | up to 60 |  |
|  | Relative Humidity | Less than 95%, |  |
|  | Controller input over voltage | 200 VDC |  |
|  | Controller input under voltage | 70 VDC |  |
|  | Controller Efficiency | more than 90% |  |
|  | Degree of Protection | IP 65 |  |
|  | Protection | Overload, under Voltage, reverse Polarity, dry run etc.  |  |
| **Remote Monitoring** |
|  | Operating Voltage Range | 90 -110 VDC |  |
|  | Communication Band | 2G / 3G / 4G |  |
|  | Antenna Type  | Internal |  |
|  | Type of SIM card  | (Standard, Micro etc.) |  |

**Specifications & Requirement for DC Pump1.5kW(Motor+Pump)**

| **s.n.** | **Particulars** | **Required specification** | **Offered specification** |
| --- | --- | --- | --- |
|  | Motor Capacity | 1.5 kW or more | Motor Model No. |
|  | Voltage | 115 V |  |
|  | Current | 11 Amps |  |
|  | Motor RPM Max. | 3600 |  |
|  | Motor Winding |  STAR Conn. PVC Wiring |  |
|  | Motor Efficiency | 82-84 % |  |
|  | Motor OD (mm) | 100 mm |  |
|  | Method of Cooling | Water Cooled |  |
| 1. 1
 | Power Cable Size (mm2) | 2.5 mm2 |  |
| 1. 2
 | Pump Model No. |  Model No |  |
| 1. 3
 | Pump No. of Stages | 5-6 |  |
| 1. 4
 | Flow Rate (m3/hr)  | 9-9.6m3/hr |  |
|  | **Operating Pump Head (M)** | **30** |  |
|  | Delivery Pipe Size | 2" |  |
|  | Pump Efficiency | 68% |  |
|  | Pump OD (mm) | 100 mm |  |
|  | If any Filters | Strainer or any |  |

**Specifications & Requirement for DC Pump0.75kW (Motor+Pump)**

| **s.n.** | **Particulars** | **Required specification** | **Offered specification** |
| --- | --- | --- | --- |
|  | Motor Capacity | 0.75 kW or more | Motor Model No. |
|  | Voltage | 72 V |  |
|  | Current | 11 Amps |  |
|  | Motor RPM Max. | 3300 |  |
|  | Motor Winding |  STAR Conn. PVC Wiring |  |
|  | Motor Efficiency | 70-74 % |  |
|  | Motor OD (mm) | 100 mm |  |
|  | Method of Cooling | Water Cooled |  |
| 1. 1
 | Power Cable Size Required (mm2) | 2.5 mm2 |  |
| 1. 2
 | Pump Model No. |  Model No |  |
| 1. 3
 | Pump No. of Stages | 4-5 |  |
| 1. 4
 | Flow Rate (m3/hr)  | 5-6m3/hr |  |
|  | **Operating Pump Head (M)** | **20** |  |
|  | Delivery Pipe Size | 1.5-2" |  |
|  | Pump Efficiency | 65% |  |
|  | Pump OD (mm) | 100 mm |  |
|  | If any Filters | Strainer or any |  |

**Note:** all the accessories needed should be provided by supplier. Equivalent design configuration not less than 1 lakh LPD at given head also accepted.

\*Please submit deposit voucher or bank guarantee of 5% of the Total Amount (NRs.) that the firm can supply in current FY. If not submitted the firm will not be eligible for evaluation.

15. Dealer, Branches and Distributes in the country

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Name | Address | Contact person | Email | Telephone | Mobile |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Submit copy of dealership agreement with firm registration, PAN or VAT registration otherwise will not be considered for evaluation.

16. Professional Experiences

 17. Specific Experience ( Please submit supporting documents)

I hereby declare that the above submitted information are true and correct based on relevant documents and our knowledge and we are not ineligible to participate in the expression of interest, has no conflict of interest in the proposed procurement proceedings and has not been punished for the profession or business related offence.

 (Signature of Authorized Person)

Office stamp

 Name ………………………….

 Position ………………………..