सोलर पम्प आपुर्ति र जडान गर्ने फर्म/कम्पनी सुचिकरणको लागि प्राविधिक प्रस्ताव

1. प्रस्ताव बुझाउने संस्थाको नामः श्री कृषि विकास निर्देशनालय, नक्टाझिज, धनुषा

रु १० को हुलाक टिकट

1. प्रस्तावक फर्म/कम्पनीको नामः
2. ठेगाना : ईमेलः सम्पर्क नं
3. सम्पर्क व्यक्तिको नामः सम्पर्क नं
4. संस्था दर्ता प्रमाण पत्र नं नविकरण मितिः
5. स्थायी लेखा नं.
6. सोलर पम्प उपकरण उत्पादक गर्ने कुन कम्पनीको अधिकारिक ऐजेन्ट **(Authorized Agent)** हो ? उत्पादक कम्पनीको नामः

ठेगानाः वेवसाईटः

1. आपुर्ति र जडान गर्न प्रस्तावित सोलर पम्प उपकरणको प्राविधिक स्पेशिफिकेशन

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.N.** | **Component** | **Required Technical Specifications** | **Offered Technical Specifications** | **Remarks** |
| **1** | **2** | **3** | **4** | **5** |
| 1 | Solar PV Modules | * Peak power per module shall be ≥100 W p * Power Tolerance on Name plate power (W or %) at STC shall be 0 to 5 W or 0 to 5% or only positive tolerance * Product Workmanship Warranty shall be >= 10 years * The proposed solar PV module must be PIT and RST certified * Complying to NEPQA FROM RET * All PV modules offered for the project shall be of same type, same model, same power rating and same manufacturer |  | High Transmission and low iron Tempered glass, |
| 2 | Pump and MPPT Controller | * Combined Efficiency (motor + pump) shall be >=60% * Pump Performance Curves i.e. Flow Vs Input Pump Power shall be provided at designed Head for the Project * Protection: The pump must have thermal protection against overload, reverse polarity and temperature * Dry run and Protection: The pump or pump set must have provision of stopping operation under Dry running or insufficient energy supply * Sand and Silt protection: The pump must have protection against sand and silt * Warranty on the motor and pump shall be >=2 years * Material: The pump must be manufactured with non‐corrosive materials. * Rotors and impellers must be made of stainless steel * The pump or pump set must have control circuit with MPPT facility * The company to provide IEC/International test certificates for performance measurement of PV irrigation system. |  |  |
| 3 | **Mounting and framing structure** (Structure with 30°,alumuniumor strainless steel, non spray galvanized or hot galvanized, Welding works, Painting and coating, Nut and Bold etc) | * Mounting Structure must be designed such that it is installed to   have solar PV array towards due south around local altitude at 30 degree with horizontal space   * Mounting shall be manufactured with aluminium or stainless steel angles and channels; spray galvanized or hot deep galvanised * Mounting structure shall be non‐corrosive to be fixed on ground * Mounting Structure and Foundation designs shall consider all the static and dynamic loads and suitable for site conditions * The support frame structure should be able to resist at least 20 years of the outdoor exposure without suffering significant damage or corrosion * The mounting structure shall have necessary clearance between GL and bottom edge of PV Modules(i.e.>0.5m) * Fastners to be used for fixing structure shall be non‐corrosive and   compatible with materials with which it is being fixed |  | 2-inch angle - …... RM;  2 in inch pipe - 25 RM;  1.5 inch scale - 5 RM), nut bolt, Butt =……,Weld and primer + 1 mm painting and coating |
| 4 | **Cable Accessories** (Cable for panel interwiring, Cable for solar array to controller, Cable for Pump to Controller, Cable for lighting arrester etc.) | * As required following NS/IS standard * Maximum Voltage Drop between PV Modules and Pump shall be <=3% * Cables are shall be PVC insulated cable and UV resistance, suitable for outdoor installations, Complying with relevant Nepalese Standard |  | Multi standard cable |
| 5 | **Plumbing Accessories**(Check Valve, Socket, Packing Materials (Rubber Washer, GI/HPDE pipe, M- Seal, Flange etc.) | * 50mm (check valve,socket-1, nipple -2,Union 1,flange(stainless steel or Bronze)),50mm/6kg/cm2 GI/HDPE, * M-seal (1:1resin&hardenerconsisting ) * Packing Materials (Rubber Washer water proof and oil & heat resistance etc. |  | PVC insulating tape |
| 6 | **Foundation** (E/W of excavation for mounting st., Soling(brick/stone), 1:3:4 PCC) | * construction excavation Soling(1ft\*1ft\*.5ft), and * PCC (Mixture of cement, sand and coarse aggregates) (1ft\*1ft\*1.5ft) with approved materials |  | E/W Ex=……….x 1 ft x 1 ft x 1.5 ft.  Soling =….x 1 ft x 1 ft x 0.5 ft,Pcc=…..x 1 ft x 1 ft x 1.5 ft |
| 7 | **Earthing, Lightening arrestor and MCB/Surge Protector** | * The solar PV plant structure shall be grounded properly using adequate number of earthing kits. All metal casing of the system shall be thoroughly grounded to ensure safety of the solar PV system. * The solar PV system shall be provided with lightning and over voltage protection * The main aim in this protection shall be to reduce the over voltage to a tolerable value before it reaches the system * Fuses should be provided to protect against short circuit conditions * Full protection against open circuit, accidental short circuit & reverse polarity should be provided |  | Comply IEC for earthing, Al/Copper bonded lighting rodwith standard for lighing protection set, |
| 8 | **Transportation** | **Delivery in All Districts of Province 2** | | Delivery to site |
| 9 | **Installation, Testing, Maintenance, spare parts, tools & after sales service** | Skilled/Non Skilled Man power |  | ` Open wrench, Allen key wrench, Screw driver if availabe |
| 10 | **Others:** (Specify in detail) |  |  |  |

***Note: Please attach supporting documents such as technical design document, drawings, specification, leaflets, etc.***

1. **संलग्न भएका कागजातहरुको हकमा आवेदक ले (√( चिन्ह लगाउने र संलग्न कागजातहरुक्रम मिलाएर पेश गर्ने**

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| --- | --- | --- |
| चिन्ह लगाउने (√) | संलग्न कागजातहरु | कार्यालयले रुजु गर्ने प्रयोजनको लागि मात्र |
|  | रू.१०|- को हुलाक टिकट टाँस गरेको प्रस्ताव पत्र | |  |
|  | कम्पनिको दर्ता र नविकरण भएको प्रमाणपत्रको प्रतिलिपि |  |
|  | फर्म/कम्पनि को स्थाई लेखा नम्वर लिएको प्रमाण पत्रको प्रतिलिपि |  |
|  | फर्म/कम्पनिको कर चुक्ता को प्रमाण पत्र |  |
|  | फर्म/कम्पनिको वित्तिय क्षमता खुलेको प्रमाण |  |
|  | फर्म/कम्पनिको विगत 2(दुई) वर्षको लेखा परिक्षण प्रतिबेदनको प्रतिलिपी |  |
|  | उत्पादक कम्पनीको आधिकारीक विक्रेता भएको पत्र र सो कम्पनीको |  |
|  | सोलर डि सी पम्प र पम्प कन्ट्रोलरमा प्रयोग हुने मोटर उत्पादक देशवाट IEC र CE Certificate |  |
|  | कम्तीमा दुई वर्षको Free of cost replacement guarantee भएको उत्पादक कम्पनीको पत्र। |  |
|  | बैक ग्यारेन्टीको सक्कल प्रमाण पत्र | |  |
|  | उपकरणहरुको स्पेशिफिकेशन खुल्ने क्यटलग,ड्रइंग,स्पेशिफिकेशन र लिफलेट |  |
|  | प्रदेश नं. 2 मा डीलर/सहायक डीलरको विवरण |  |
|  | अन्य |  |
| कृषि विकास निर्देशनालयको निजि, सार्बजानिक, तथा सहकारीको साझेदारीमा सोलर पम्प जडान कार्यक्रमको लागि निर्देशनालयको सुचना र शर्त वमोजिम सोलर पम्प उपकरण आपुर्ति र जडान गर्न योग्य र ईच्छुक रहेकोले यस कार्यको लागि सुचिकृत गरिदिन हुन अनुरोध छ। यस कार्यक्रमको उद्देश्य संग मेरो/हाम्रो कुनै प्रकारले स्वार्थ बाझिने अवस्था रहेको छैन। मैले/हामीले कार्यालयमा कुनै प्रकारले पहु̐च, प्रभाव पार्न खोज्ने छैन। सो गरेको पाईएमा कार्यालयले आवेदन रद्द गर्न सक्ने कुरामा हाम्रो पूर्ण मञ्जुरी रहेको छ। सौर्य सिंचाई सम्वन्धि उपकरणहरुको प्राविधक स्पेशिफिकेसन,परिमाण, गुणस्तर, आपुर्ति र जडानको समय र विधि, अनुदानग्राहि छनौट तथा द्विवधाविवाद समाधान सम्वन्धि कृषि विकास निर्देशनालयको निर्देशन पालना गर्ने छु।यसमा उल्लेख गरेको विवरण सत्य सांचो हो झुठा ठहरे कानून बमोजिम सहुंला बुझाउंला |  आपुर्तिकर्ताको सही :  नामः  पदः  ठेगाना:  मितिः  फार्म/संस्थाको छाप | | रुजु गर्नेको सही :  रुजु गर्नेको नाम र पद :  **कार्यालयको नाम :** |

नोटः यो फारम पूर्ण रुपमा भरी छुट्टै खामवन्दी गरी मुल्य प्रस्तावको खामवन्दी समेत राखि शिलबन्दि गरी पेश गर्ने। सम्पुर्ण जानकारी नभरेको प्रस्तावलाई सूचीकरण प्रकृयामा समावेश गरिने छैन।

सोलर पम्प आपुर्ति र जडान गर्ने फर्म/कम्पनीको न्यूनतम मुल्य प्रस्ताव

(पूर्ण रुपमा भरी छुट्टै खाममा शिलबन्दि गरी प्राविधिक प्रस्ताव संगै पेश गर्ने।)

1. प्रस्ताव बुझाउने संस्थाको नामः श्री कृषि विकास निर्देशनालय, नक्टाझिज, धनुषा
2. प्रस्तावक फर्म/कम्पनीको नामः
3. ठेगाना : ईमेलः सम्पर्क नं
4. सम्पर्क व्यक्तिको नामः सम्पर्क नं
5. संस्था दर्ता प्रमाण पत्र नं नविकरण मितिः
6. स्थायी लेखा नं.
7. सोलर पम्प उपकरण उत्पादक गर्ने कुन कम्पनीको अधिकारिक ऐजेन्ट **(Authorized Agent)** हो ? उत्पादक कम्पनीको नामः

ठेगानाः वेवसाईटः

1. सोलर पम्प उपकरण आपुर्ति र जडान लागत (रकम ने.रु.मा) न्यूनतम मुल्य सूची

**८.१ क्षमताः १० मी हेड एक लाख ली डिस्चार्ज (सरफेस/सवमर्सिवल टाइप)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.N.** | **Component** | **Qty.** | | **unit** | **Offered Price** | | | **Remarks** |
| **Unit Price (In Figure)** | **Taxable Amount (In Figure)** | **Total Amount including Vat (In Figure)** |
| **1** | **2** | **3** | | **4** | **5** | **6** | **7=(5+6)\*3** | **8** |
| 1 | **Solar PV Modules** | 1 | | Set |  |  |  |  |
| 2 | **Pump and MPPT Controller** | 1 | | Set |  |  |  |  |
| 3 | **Mounting and framing structure** | 1 | | Set |  |  |  |  |
| 4 | **Cable Accessories** | 1 | | Set |  |  |  |  |
| 5 | **Plumbing Accessories** (Check Valve, Socket, Packing Materials (Rubber Washer ,GI/HPDE pipe ,M- Seal, Flange etc.) | 1 | | Set |  |  |  |  |
| 6 | **Foundation**( E/W of excavation for mounting st., Soling (brick/stone), 1:3:4 PCC) |  | | Set |  |  |  |  |
| 7 | **Earthing and** Lightening Arrestor and MCB/Surge Protector | 1 | | Set |  |  |  |  |
| 8 | **Transportation** | Delivery in All Districts of Province 2 | | |  |  |  |  |
| 9 | **Installation, Testing, Maintenance, spare parts, tools & after sales service** | 1 | As Per Scope | |  |  |  | ` |
| 10 | **Others:** (Specify in detail) |  | **Company to specify** | |  |  |  |  |
| **Sub Total (NRs.)** | | | | | |  |  |  |
| Total Amount including VAT(13%) in figure (NRs) : | | | | | | | | |
| Total Amount including VAT(13%) in Words (NRs) : | | | | | | | | |

**८.२ क्षमताः १० मी हेड दुइ लाख ली डिस्चार्ज (सरफेस/सवमर्सिवल टाइप)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.N.** | **Component** | **Qty.** | | **unit** | **Offered Price** | | | **Remarks** |
| **Unit Price (In Figure)** | **Taxable Amount In Figure.** | **Total Amount including Vat In Figure)** |
| **1** | **2** | **3** | | **4** | **5** | **6** | **7=(5+6)\*3** | **8** |
| 1 | **Solar PV Modules** | 1 | | Set |  |  |  |  |
| 2 | **Pump and MPPT Controller** | 1 | | Set |  |  |  |  |
| 3 | **Mounting and framing structure** | 1 | | Set |  |  |  |  |
| 4 | **Cable Accessories** | 1 | | Set |  |  |  |  |
| 5 | **Plumbing Accessories** (Check Valve, Socket, Packing Materials (Rubber Washer,GI/HPDE pipe,M- Seal,Flange etc.) | 1 | | Set |  |  |  |  |
| 6 | **Foundation**( E/W of excavation for mounting st., Soling (brick/stone), 1:3:4 PCC) |  | | Set |  |  |  |  |
| 7 | **Earthing and** Lightening Arrestor and MCB/Surge Protector | 1 | | Set |  |  |  |  |
| 8 | **Transportation** | Delivery in All Districts of Province 2 | | |  |  |  |  |
| 9 | **Installation, Testing, Maintenance, spare parts, tools & after sales service** | 1 | As Per Scope | |  |  |  | ` |
| 10 | **Others:** (Specify in detail) |  | **Company to specify** | |  |  |  |  |
| **Sub Total (NRs.)** | | | | | |  |  |  |
| Total Amount including VAT(13%) in figure (NRs) : | | | | | | | | |
| Total Amount including VAT(13%) in Words (NRs) : | | | | | | | | |

***Note: Please attach supporting documents such as technical design document, drawings, specification, leaflets, etc.***

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| कृषि विकास निर्देशनालयको निजि, सार्बजानिक, तथा सहकारीको साझेदारीमा सोलर पम्प जडान कार्यक्रमको लागि निर्देशनालयको सुचना र शर्त वमोजिम उपरोक्त उल्लेखित अधिकतम मुल्य सूचीको सिमा भित्र सोलर पम्प उपकरण आपुर्ति र जडान गर्न ईच्छुक रहेकोले यस कार्यको लागि सुचिकृत गरिदिन हुन अनुरोध छ। सौर्य सिंचाई सम्वन्धि उपकरणहरुको प्राविधक स्पेशिफिकेसन परिमाण अनुदानग्राहि छनौट तथा द्विवधा/विवाद समाधान सम्वन्धि कृषि विकास निर्देशनालयको निर्देशन पालना गर्ने छु।यसमा उल्लेख गरेको विवरण सत्य सांचो हो,कानून बमोजिम ठहरे झुठा सहुंला बुझाउंला |  आपुर्तिकर्ताको सही :-  नाम:-  पदः-  ठेगाना:-  मितिः-  फार्म/संस्थाको छाप |