

बिहार पुलिस मुख्यालय, पटना
निविदा आमंत्रण सूचना सं0-22/2013-14

1. विभाग का नाम- पुलिस महानिदेशक का कार्यालय,बिहार, पटना ।
2. विज्ञापनदाता का पदनाम एवं पता- पुलिस महानिरीक्षक के सहायक (क्यू), बिहार, पटना ।
3. निविदा प्राप्ति की तिथि एवं समय- दिनांक-17/01/2014 1400 बजे तक।
4. निविदा खोलने की तिथि एवं समय-दिनांक-17/01/2014 1600 बजे तक।
5. निविदा प्राप्ति का स्थान- पुलिस महानिदेशक का कार्यालय, बिहार, पटना के कार्यालय भवन के मुख्य द्वार पर रखी निविदा पेटी।
6. कार्य का व्योरा-

S.No	Items name	Specification	Qty
1	Solar Power Pack of 2.5 KWp	Specification may be obtained from this office or on website www.biharpolice.bih.nic.in	79
Note: Before submitting tender please see tender terms & conditions carefully and then verify your tender from this check list:- <u>1.As per sanction order, Unit price is after 30% subsidy from MNRE, New Delhi.</u> 2.For one or more items technical bid be kept in one envelope. 3.For one or more items financial bid be kept in separate envelope. 4-Certificate of manufacturer or authorization must be enclosed. 5-Earnest money of 25000/- 6-Income tax returns & copy of PAN No. 7-Turn Over			

निविदा के नियमों, शर्तों की जानकारी के लिए अधोहस्ताक्षरी के कार्यालय में, पुलिस महानिरीक्षक के सहायक(क्यू), बिहार, पटना के दूरभाष सं0-0612-2215295 पर सम्पर्क किया जा सकता है, कार्यालय के सूचना पट तथा वेबसाइट www.prdbihar.gov.in or www.biharpolice.bih.nic.in पर देखा जा सकता है ।

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पुलिस महानिरीक्षक के सहायक(क्यू),
बिहार, पटना ।

TERMS & CONDITIONS OF TENDER NO.22 /2013-14

1. Tender of the firms situated inside /out side the State will be accepted with the condition that if their tenders are approved, the firm shall get itself registered with Commercial Tax Department, Bihar before the purchase order is issued.
2. The tender should be submitted in two parts, (1) Technical bid and (2) Financial bid duly sealed in two separate envelopes super scribed as technical bid and financial bid. The rates shall be quoted in the Financial bid. All charges like BST/CST/Service Tax /VAT etc. shall be clearly mentioned but net rate (in figures and words) including all taxes and duties shall be quoted. Vague offers like indicating taxes "as applicable" will be summarily rejected. There shall be no cutting, over writing or correction on the rates. All relevant papers/certificates/specifications etc. of items should be enclosed in technical bid.
3. The technical and financial bids for each item **should be submitted separately in separate envelopes.** The technical and financial bids for more than one items submitted together in the same envelope shall be summarily rejected. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
4. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked " tender No. 22 /2013-14 (Technical Bid) and " tender No.22 /2013-14 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in an another sealed envelope which should be marked as "tender No.22 /2013-14 ".This envelope should not bear the name and address of the firm.
5. Up-to-date Income Tax returns (Saral) and a photocopy of PAN of the participating firm should be submitted with the technical bid. I.T. return should have stamp and signature of the concerned department, whether filed manually or electronically.
6. The turn over of the firm for the 2012-13 financial year should be at least double the amount of the supply order which is being issued. A copy of the profit and loss a/c of the firm for the 2012-13 financial year certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorised dealer and authorised supplier of manufacturing firm, then the certified details of the turnover of authorizing firm will be accepted.
7. If there is some discount in the price of any item, it should be deducted from price itself and should not be quoted separately.
8. If the product is on DGS & D rate contract then a copy of the contract be attached and pricing be done with all taxes including Bihar Sales Tax.
9. All items will be received at Central Clothing Store, Patna, therefore price should be quoted FOR Central Clothing Store, Phulwarisharif, Patna.
10. **Firms will have to deposit a sum of rupees 25000/- (Twenty five thousand) only as an earnest money in the form of postal saving passbook / NSC/Bank draft duly pledged in favour of the undersigned along with the quotations.**
11. Technical bids will be opened 17/01/2014 at 16:00 PM in the office chamber of the undersigned. Representatives of the tenderer may remain present at the time of opening of the technical bid.
12. The technical bid will be opened first and if it is found as per tender conditions, it will be put before Central Purchase Committee. The firm may have to participate in discussions with this committee and / or be required to demonstrate the quoted product. Any paper / document will not be accepted after opening the tender.
13. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the stores as security money in the form of Postal Saving Pass Book/NSC/Bank Guarantee duly pledged in favour of undersigned.
14. The firm will be required to provide satisfactory after sale service.
15. The firm will be required to supply all the items within 30 days from the date of placing order.
16. Payment for the delivered items will be made after receiving OK report from the Inspection Committee.
17. The firm whose quotation is approved shall be issued A/T. Purchase order shall be issued only after the firm enters into an agreement with the undersigned. Terms & Conditions of the agreement shall be intimated in the A/T.
18. Only such manufactures/authorised dealers and authorised suppliers of manufacturing firm who fulfills the above conditions should quote for supply of items.
19. Updated Technology at the time of supply change in condition.
20. Hands on Training of the user group by the firm shall be ensured.
21. D.G. of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully without assigning any reason thereof.
22. The Quantity indicated may increase or decrease at the time of issuing purchase order.

Sd/-
A I G of Police (Q)
Bihar, Patna.

Technical Details of Power Pack:

Energy Source : Solar & Grid Power
 Both Solar Grid Available : Solar supports load & battery charging for installed capacity & balance power from Grid
 Solar available & Grid Failure : Solar supports load for installed capacity & balance load operates through battery
 Both Solar & Grid Failed : Battery runs load for specified hours of backup
 Power Pack Capacity : 2.5 KVA
 Backup Power : 8 ~ 24 hours as per requirement

Technical Details of Solar Power Pack:

S.No	Component	Specifications
1	Overview of specifications	Summary of requirements: <ul style="list-style-type: none"> • SPV Array: 2.5 kWp • Battery Bank: 48V, 500AH • UPS / Inverter : 48V, 2KW (pure sine wave) • Charge Controller: 48V, 60Amp • Mounting Structure and other accessories as required
		The solution shall provide at least 3 day backup for meeting basic power requirement of the Police Station
		Dual charging capabilities from electricity and solar power in locations where Grid connection is available
		Certification / Standards: All the components proposed as part of the Solar power solution shall be from reputed manufacturers and shall necessarily be tested at the solar Energy Centre (SEC) or any of the MNRE approved Testing Laboratories in India and must adhere to its applicable Indian or International Standards.
2	SPV array	Type: Mono / Multi Crystalline Silicon Cell
		Single SPV panel output: minimum of 75Wp, maximum of up to 200 Wp
		Total output of SPV Array: 2.5 kWp
		The power output of the module (s) under Standard Test Conditions should be able to provide a minimum back up for 3 days during the operational hours of Police Stations;
		Other Features: High Conversion Efficiency, Low Mismatch Losses
3	Battery Bank	Battery Type: VRLA / TUBULAR Lead Acid of 12v or 2v cells
		Nominal Capacity: 48V, 500 Ah (Capacity to provide at least 3 day backup for CCTNS power requirements)
		Charge Efficiency: more than 90%
		Self-discharge: less than 4% under Standard Test Conditions
		Operating Temperature: 0 ^o C to 50 ^o C
		Warranty: 5 Year warranty, Topping up maintenance interval must be of 6 months.
		Other Features: No Thermal Runaway, Lead plated copper terminals for high conductivity
4	Charge controller Unit	Type: PWM (Pulse Width Modulator) type Microprocessor based controls
		3 stage charging-Boost, Float & Equalization
		Nominal Voltage: 48V
		Max Charge / Discharge Current: 60A
		Efficiency: more than 95%
		Idle current less than 10 mA
		Temperature compensation
		Protections: Overcharge, Reverse Polarity, Short

		Circuit, Over Current, Deep Discharge & Reconnect
		Indications: Charging Full Charge & Low Battery
		Optional Features : Inbuilt Load Controller for DC loads, Rs 232 compatibility, Digital Display, Alarms
5	UPS	Type: Off Line / On Line
		Capacity: 2KW
		Input Voltage: 48V
		Output Voltage: 230 VAC / 50 Hz, 1 phase pure sine wave DSP (Digital Singal Processor) / Microprocessor based PWM (Pulse Width Modulator) technology, Bi-directional High Surge Power 4 KW for 30 cycles UPS mode.
		Output Voltage Regulation : $\pm 2\%$
		Efficiency: more than 90%
		Protections: Overload, Low Battery, short circuit, surge, Reverse polarity, Thermal protections.
		Total Harmonic Distortion: less than 3%
		Other Features: High Overload Capability at switching, Better tolerance for Battery DC Volts, Minimum Acoustic Noise
		Preferable features: Digital Display, Alarms
6	Mounting Structure & Accessories	<p>Mounting Structure:</p> <ul style="list-style-type: none"> • A metallic frame structure (with corrosion resistant paint) to be used to hold the PV module (s) • The frame structure should have provision to adjust its angle of inclination to the horizontal between 0 and 45 so that the module (s) can be oriented at the specified tilt angle • The frame should provide protection against adverse weather conditions (withstand horizontal wind speed greater than or equal to 100 km/ hour)
		Junction Boxes and Distribution Boards:
		<ul style="list-style-type: none"> • should be from reputed manufacturers and should be of outdoor type, weather resistant and has to be made of Thermoplastic material.
		<p>Other Accessories:</p> <ul style="list-style-type: none"> • All the other accessories for the complete Solar power solution shall be provided by the SI, in the required quantities. Such accessories shall adhere to applicable Indian or International Standards.
		<p>Civil Works:</p> <ul style="list-style-type: none"> • Civil work shall include work related with foundation for installation of module mounting structures

Constructive Characteristics of Solar Panel

Cells	: Mono / Multi crystalline silicon cells
Contacts	: Full length solder dipped & Electroplated
Laminate	: EVA
Front Face	: Anti- reflective structured tempered glass
Back Face	: Multi-layer laminate of Tedlar material
Frame	: Anodized aluminum
Junctions boxes	: IP65 Class
Cables and connectors:	2 core PVC Insulated Cable
Diodes	: Includedes Schottkey by pass diodes