

**OFFICE OF THE MUNICIPAL CORPORATION HISAR NOTICE INVITINGSINGLE PERCENTAGE  
/ ITEM RATE ONLINE TENDER**

The Municipal Corporation (Hisar) invites the bids from bidders who (Enlisted in Haryana i.e PWD B & R. Irrigation, Public Health, HSAMB, Urban Development Authority and Panchayati Raj equal Amount of tender)through online bids in the website: <https://etenders.hry.nic.in> for the work detailed in the table.

Package No./I D No.	Name Of Work	Approximate Value of works(Rs. In lacs)	Bid Security (Rs.) Contractor/ society	Cost of Document + e-service fee (Rs)	Downloading Date	Closing Date	Date of Open
Recal I	PROVIDING GRID CONNECTED ROOF TOP SOLAR PLANT (WITHOUT BATTERY BANK) IN OFFICE BUILDING OF MUNICIPAL CORPORATION, HISAR	67.19	134380/67194	4000 <u>1180</u>	09.05.2023	16.05.2023	17.05.2023

- Bidding Documents can be downloaded online from the Portal <https://etenders.hry.nic.in> in by the Societies / Contractors registered on the Portal.
- As the Bids that are to be submitted online are required to be encrypted and digitally signed, the Bidders are advised to obtain the same at the earliest. For obtaining Digital Certificate, the Bidders may contact the representative of NIC, Providers of Electronic Tendering System.

**General Terms &Conditions :-**

- Tenders will be opened as per the Key Dates given in the tender notice.
- The Detailed Notice inviting tender and Tender Documents can be seen on website: <https://etenders.hry.nic.in>.
- Possession of Digital Signature Certificate (DSC) and Registration of the Contractors on the portal i.e. <https://etenders.hry.nic.in/> is a Pre-requisite for e-tendering.
- As the Bids are to be submitted online and are required to be encrypted and digitally signed, the Bidders are advised to obtain Digital Signature Certificate (DSC) at the earliest. For Further details, the Bidders should follow "Instruction to the Bidder", given in DNIT on the above said portal.
- Interested bidders are encouraged to get themselves registered as contractor on the portal <http://works.haryana.gov.in>. (Copy must be enclosed with online technical bid documents)
- Bidders registered on the portal <http://works.haryana.gov.in> are not required to deposit any earnest money and are required to submit earnest money declaration Form as provided in Section 7 with the online technically bidding document for the tenders called on HEWP.

**CONDITION/NOTE: (ELECTRICAL WORKS)**

- The above rates are for complete item including cost of material labour tools and plants, water etc. unless otherwise specified.
- The description rate units etc. of the item shall be corrected as per Haryana Schedule of rates 2021 in case of any error of commission.
- Nothing shall be paid for the damage by rains, floods or any other act of God.
- The whole work shall be carried out strictly in accordance with REC specifications/standards (as applicable to Haryana State) with up-to-date correction slips.
- Nothing shall be paid for unforced-seen delays on account of non-availability of any kind of material drawing or design.
- The contractor shall provide suitable measuring arrangement at site for various articles brought by him.
- In this contract schedule of rates, only essential portion of item has been written but it will deem to cover the entire item fully described in DHBVN labour schedule of rates, subject to food notes and in the DHBVN labour schedule of rates.
- The work shall be considered to be situated within the municipal limits for all purposes.
- No claim will be entertained from the contractor in case of any mistake in description, rates or unit occurs in any of the item taken in this schedule while composing this on account of typing comparison and over sighting. If there is any mistake, the same shall be rectifiable at any stage as per DHBVN labour schedule of rates and HSR 2021 by the Engineer-in-Charge along with the amendments of the same received from time to time till date of opening of tenders.
- Appx. Quantities have been given in the contract schedule of rates and these may vary at the time of actual execution of the work. The payment will however be made according to the actual work done by the contractor.
- The amount of work can be increased or decreased; the contractor will have no claim on this account.
- The item given in the contract schedule of rates can be changed by the Engineer-in-Charge and its execution will be binding on the contractor.
- All amendments issued in the Haryana Schedule of rates 2021 up to date of opening of the tender will be applicable on this contract schedule of rates.

14. In the event of any extra or additional work being carried out under orders in writing of the Engineer-in-Charge of the work in connection with any type of work the same shall be measured as laid down in the respective schedule of H.S.R. 2021/DHBVN schedule (Labour Material).
15. No claim on account of fluctuation in prices due to any reasons whatsoever will be considered.
16. The department reserves the option to take away any item of the work or any part thereof at any time during the currency of the contract and re-allot it to the contractor with due notice due notice to the contractor without liability of compensation.
17. The successful tender shall have to sign an affidavit to the effect that he has no relation or connection with the firm/contractor black listed by Govt. of Haryana /Govt. of India from time to time.
18. The contract schedule of rates, in an extract of the relevant item from the Haryana schedule of rates, and to be read with another schedule attached here to namely as the schedule of ceiling premium, for the purpose of cross reference against each item and chapter no has been in directed.
19. The list of ceiling premium admissible on various item contained in the various chapter of Haryana Schedule of rates 2021 attached with the notice inviting tender and shall for part and parcel of the contract schedule of rates. The same ceiling premium shall be allowed on the various item contained in the contract schedule of rates. All these items which do not fall within Haryana schedule of rates, i.e., approved item ceiling premium shall be Zero.
20. Any item of work not provided in the contract schedule of rates, if required to be executed will be paid as per Haryana Schedule of rates 2021 and DHBVN schedule together with the ceiling premium exhibited in the NIT for various chapters subject to premium or discount tendered by the contract where the item exist in Haryana schedule of rates, 2021 In case non schedule item they will be governed by clauses 12 of the tender documents.
21. Before energizing the system for any type of electric installation of the following tests should be given by the contractor, so as to find out the installation.
  - a) Earth resistance test.
  - b) Insulation test.
  - c) Polarity test.
22. All cable connections with main switches and in junction boxes shall be through dowel or any other reputed make tinned copper lugs/thimbles duly crimping tools free of cost.
23. All recess cheasels and holes made for wiring or other purposes shall be filled up properly and Healy and brought to its original finish to the satisfaction of the Engineer-in-Charge.
24. The cable would be laid as per route given by Engineer-in-Charge or his authorized representative.
25. The route, diagram in duplicates of cabbies on reasonable size of tracing cloth shall have to be supplied immediately after completion of work.
26. The contractor has to strictly follow the fair wages clause.
27. The arrangement for the electric supply required for construction purpose shall be made by the contractor at his own cost.
28. The contractor licensed by the Chief Electrical Inspector Haryana of "A" category can only the tender. The contractor will employ licensed supervisor of only license given by the Chief Electrical Inspector, Haryana.
29. The LT/HT line/pole mounting substation/ ST Poles/ MS Pedestal etc. would be laid as per Nishans given by the Engineer-in-Charge.
30. Contractor would submit the test report after completion of work.
31. The tests should be conduct in the presence of the representative of Municipal Corporation, Hisar deputed by the Engineer-in-Charge.
32. The item/ materials brought at site of work be ISI marked. In case there is any dispute regarding its quality then the same be got checked from any approved laboratory on contractor cost. The rejected materials will be lifted by the contractor within 10 days in the date of order given by the Engineer-in-Charge in writing.
33. No extra payment for executing works in Hilly/Sandy/Expensive localities will be made as given in foot notes of DHBVN schedule of rates.
34. Analysis of rates for non-schedule item i.e., item which are not provided in the schedule of rates in DNIT inviting tenders the rates shall be based on the rates of material and wages of labour provided in the HSR -2021 /minimum wages act. In case such rates of material and wages of labour not mentioned in HSR 2021, but involved in the non-schedule item then should in determined as per actual lowest market rates at the time of execution of work. The contractor/firm shall be required to provide in original such voucher which shall be subject to verification by the Engineer-in-Charge, if deemed necessary. The rates for non-schedule items shall be approved by the competent authority.
35. The firm should quote their rates single %age above/below the ceiling rates. The rates as given in the contract schedule of rates sanctioned ceiling premium as applicable.
36. All M.S. part/accessories (except of earthing work) to be installed for overhead/underground works are required to be painted with approved colour as desired by Engineer-in-Charge after due primer coat etc. free of cost. This works is essential.
37. All the material i.e., N.S. item, GSS wire 7/8 SWG, G.I wire No. 8 SWG, stay set, Disc insulators, pin insulators, V- shape cross Arm, M.S. Angle, M.S. channel, M. S. Flat, nuts & bolts will be arranged by the contractor at his own cost. The condition of procurement of these items are as under:
  - a) The items will be procured by the contractor at his own cost.
  - b) The material to be purchased shall be conforming to relevant I.S. specification with latest amendments.
  - c) The contractor will give the documentary proof giving the details of manufacturers.
  - d) Nothing extra will be paid for the purchase of N.S. item except the rates incorporated in the DNIT.
  - e) The contractor will submit a documentary proof showing the test report of manufacture of the lot purchased by him.

- f) The contractor will produce a proof in token of having purchased the item from the marked/ firm in the shape of delivery challan.
38. The dismantled material will have to be deposited in the MC store by the contractor and its receipt may be attached with the final bill showing the quantities of material returned.
39. The steel tubular poles; L.T. cables are to be got inspected at the manufacturer premises from Engineer-in-Charge or his authorized representative. For which written request is to be made.
41. Specification of pole etc. to be used at site of work will be as per latest specification of D.H.B.V.N.L./U.H.B.V.N.L./Municipal Corporation, Hisar and for any change be, no additional payment then DNIT will be paid for that.
42. The LT/HT cable less than the drum length can be arranged from authorized dealer to be supported with test certificate and number of drum etc. representative of Executive Engineer or he, himself will inspect the drum from which the cable is to be unrolled. The manufacturer will submit all the test reports of that lot.
43. The negotiation can be carried out to explore the possibility in reduction of rates.
44. Cess will be deducted from the Contractor bill as per Government instructions.
45. **INSPECTION OF MATERIAL**  
All the material will be inspected at manufacturers place /lab having test facilities as per IS at the cost of contractor. The contractor will submit written request to the Executive Engineer, Municipal Corporation, Hisar Elect. Division, Hisar for inspection of material well in time. The Executive Engineer, may also authorize his subordinate or for third party inspection as the case may be as per norms of Government. The contractor is to be lift and Transport/ Stock in the inspected material at his site stores within 15 days from the date of inspection and passing of material. It will be responsibility of contractor to keep in touch with the manufacturer to know the date of Inspection/passing of material.
46. 10% Security will be refunded only after the completion of 06 Years free defect liability period.
47. The GST shall be deposited by the contractor as applicable.
48. The Contractor must have GST No., EPF No. & ESIC No. Issued by the competent authority and he is solely responsible for the same, as it is already included in the point rate.
49. Contractor will be maintaining 10% Quantity of Solar fittings (Complete set) installed at site in Municipal Corporation, Hisar Electrical Reserve store in Advance, free of cost during his defect liability period for on –site replacement on receipt of complaint, which will be in supervision of concerned S.D.E/J.E.
50. Any running or final payment of work will only be released after deposit of 10% Qty. of Solar fittings in concerned Reserve store free of cost.
51. There is no liabilities of Municipal Corporation, Hisar for that material which was purchased by contractor to complete tshe work, but not consumed at site due to site variation and no payment will be made for such type of material.
52. No payment will be made as secured advance or by taking the material in Municipal Corporation, Hisar store.
53. The Contractual agency will get the HT/LT lines & Transformer or other electrical work executed by him, inspected from the Chief Electrical Inspector to Govt. of Haryana, Chandigarh by itself or through approved agency of the Chief Electrical Inspectorate, Haryana for compliance with the CEA regulation relating to safety & related measures. Necessary, inspection fee will also be got deposited by the contractor. All the shutdown/inspection of material /any other permission to be taken from DHBVN will be the sole responsibility of the contractor.
54. The successful Bidder/ Contractor who have quoted the below ceiling rates of approved DNIT, shall must be deposit the 10% security in advance within 10 days in the divisional account branch after allotment of works as specifically mentioned in clause-I of the approved DNIT.
55. That in addition, even in the matter of increased scope of work/ additional work, by way of any enhancement of agreements or parallel agreements proposed to be executed through the same agency, either at the same site of work or new sites, where the agreement amount is proposed to be increased by more than 25% of the allotted work, such advance security deposit be got furnished from the executing agency before start of the additional work or within 10 days of issuance of acceptance letter for additional work whichever is earlier.
56. The executing agency will be responsible for taking necessary shut down, inspection of material from DHBVN, approval of CEI & handing over the system to DHBVN Department. Agency will also submit /deposit the dismantled material in the DHBVN store & obtain copy of SRW from J.E./official concerned.
57. The agency should have a valid PAN, GST, ESI, EPF, Aadhar Card. The copies of these have to be uploaded with the technical bid and no document will be accepted manually and the tender will be rejected straightway.

Executive Engineer,  
Municipal Corporation,  
Hisar.

**DNIT Name : PROVIDING GRID CONNECTED ROOF TOP SOLAR PLANT (WITHOUT BATTERY BANK) IN OFFICE BUILDING OF MUNICIPAL CORPORATION, HISAR**

Sr.No	Type	Item description	Unit	Quantity	Amount (Rs.)
1	HSR	<p>[32.70.3]Supply Installation testing commissioning of Solar Photovoltaic grid connected roof top Plant conforming to MNRE specifications as amended, consisting of Mono/Poly Crystalline silicon solar cells, net metering facility, necessary protections, earthing, mounted on Aluminium/GI structure of suitable strength with following components complete as required:-</p> <p>(a) Solar Photovoltaic Module manufactured in India, conforming to IS 14286/IEC 61215, IS/IEC 61730-Part-1, IS/IEC 61730-Part-2. Solar Photovoltaic Module conversion efficiency shall not be less than 16.5%. PV modules used in solar power plants/ systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.</p> <p>(b) Power Conditioning Unit (PCU) of 350-800 V DC Input voltage range and 400 V AC, three phase, 4 wire, 50Hz plus +/- 2.5 Hz, output voltage suitable to generate AC</p> <p>(c) Power with efficiency not less than 97%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50 degrees C. The PCU shall adjust the voltage and frequency level to suit grid frequency</p> <p>(d) Data Monitoring System complete with accessories.</p> <p>(e) Fixing of Array junction box and Main junction box with IP 65 protection and termination arrangement for incoming and outgoing cable along with glands, lugs and other accessories etc. as required.</p> <p>(f) Lightning and surge voltage protection.</p> <p>(g) Connections and Interconnections by supplying and fixing required size XLPE insulated copper conductor 1.1 kV grade armoured power and control cables between solar modules, main power cable to grid supply PCU unit along with supplying and fixing of necessary channel/conduit lugs and other accessories etc. as required. 3. Above 100 kWp and up to 500 Kw</p>	KWp	150.000	6719400

6719400