

TENDER NOTICE No. UGVCL/RO/R & D/iNTENT/

The Chief Engineer (P&P) - Uttar Gujarat Vij Company Limited (UGVCL) puts item wise intent here under for future procurement of various materials, equipments and services so as to gauge realistic technical standard, competitive price, through On Line procurement as mentioned in **schedule-A**. The interested bidders may go through the same. Their valuable suggestions are welcomed; they may submit their suggestions and valuable inputs on below mentioned email id to incorporate the effective and acceptable suggestions in our future tenders. Detail tender Papers & Specifications may be up loaded in due course on web site <https://ugvcl.nprocure.com> (For view, down load and on line submission) and UGVCL web site www.ugvcl.com (For view & down load only).

1	Document No:	UGVCL/RO/SP/R & D/iNTENT/
2	Description	Intent for future procurement of various material, equipments and services.

(S R Patel)
Chief Engineer (P&P)
UGVCL: RO: Mehsana

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SCHEDULE - 'A'

Uttar Gujarat Vij Company Limited (UGVCL) puts item wise intent here under for future procurement of various materials, equipments and services so as to gauge realistic technical standard, competitive price, through On Line procurement as mentioned below.

1 Photo Billing using digital camera :

- a. To take photographs of 1 phase as well 3 phase energy meter display of KWH (billing quantity) reading using digital camera.
- b. Meters have been installed in consumer premises
- c. Put the Sticker on Meters regarding Consumer No and Meter Serial No.
- d. To maintain records of the above captured photo graphs
- e. To convert above data in digital form and to preserve the data and to link the same with UGVCL billing system
- f. To generate the Bill by our Sub Division User after verification of Data if any discrepancy found like images not found, irrelevance image Bill was not generated for that consumer. New Images to be taken by Bidder and generates the bill accordingly. Penalty will be carried out for Image not readable. After successful Validation print energy bill from above data
- g. To distribute hard copy of energy bills door to door at consumer premises
- h. To hand over the soft list of consumers having pending dues
- i. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.
- j. Over and above, any new ideas to improve customer services.

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2	<p>Photo Billing using android devices</p> <ul style="list-style-type: none">a. This facility utilized by Spot Billing of Consumer in their Premises through Mobile/PDA. Bill Print through Blue tooth Printer using Android Operating System in devices. Photograph of Consumer Meter to be taken for Post validation of Data after Bill surveyed to Consumer.b. To take photographs of 1 phase as well 3 phase energy meter display of KWH (billing quantity) reading using Mobile Camera and image directly send to Central Server by application itself. to Meters have been installed in consumer premisesc. To maintain records of the above captured photo graphsd. To convert above data in digital form and to preserve the data and to link the same with UGVCL systeme. To generate various reports as demanded by UGVCLf. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.g. Over and above, any new ideas to improve customer services.
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3	<p>Ladder ridden Vehicles</p> <ul style="list-style-type: none">a. Vehicle shall be of LCV type like Bolero Camper or equivalent and should not be older than one year.b. Having valid RTO passing.c. Requirement is of 10 nos of such vehicle at present and can be extended for all towns under UGVCL.d. Fixed charges shall be made for 2500 Km/Month and for above run additional charges per KM will be paid extra for additional run.e. With GPRS tracking system.f. Vehicle shall be provided on hired base for 24x7 with driver required fuel, all maintenance cost, statutory taxes etc shall have to be borne by the vehicle bidder Vehicle shall be kept in up to date condition ready to start any moment round the clock.g. A telescopic type hydraulic FRP ladder fitted on the vehicle and can be operated manually also in case of emergency.h. Vehicle shall be used for multipurpose for transportation of material, tools, tackles, and manpoweri. Mostly it will be used Work related to restoration of power supply, to rectify consumer complaints, maintenance of electrical network and equipments or as directed by Engineer In Charge.j. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.k. Over and above, any new ideas to improve customer services.
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4	<p>The vehicles for Sub-division/Division/Circle (Minimum 20 sub-divisions)</p> <ul style="list-style-type: none">a. Closed body Jeep like Bolero, Mahindra max or equivalent and should not be older than one year.b. Having valid RTO passing.c. Fixed charges shall be made for 2500 Km/Month and for above run additional charges per KM will be paid extra for additional run.d. With GPRS tracking system.e. Vehicle shall be provided on hired base for 24x7 with driver, required fuel, all maintenance cost, statutory taxes etc shall have to be bared by the vehicle provider.f. Vehicle shall be used for multi purpose for transportation of few material, tools, tackles, and manpower.g. Mostly it will be used for the work related to restoration of power supply, to rectify consumer complaints, maintenance of electrical network and equipments.a. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.h. Over and above, any new ideas to improve customer services.
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5	<p>Transformer carting for replacement</p> <ul style="list-style-type: none">a. Loading Pick up type vehicle like TATA 407 and equivalent or tractor with trailer.b. Having valid RTO passing.c. The loading vehicle shall be having well conditioned and regularly tested chain pulley block duly tested and in safe operating condition for lifting/replacement of transformerd. With GPRS tracking system.e. The driver of the vehicle has to be provided with mobile phone facility and bound to pick up the phones of UGVCL employees/Officers without delay.f. The contract will be the base of replacement of Nos of transformers payment shall be made on the base of replacement.g. Vehicle shall be kept in up to date condition ready.h. The contractor has to collect healthy transformer/s from respective store and will replace against fail/augmentation/de-augmentation etc or removal from site after dismantling of T/C etc. and return transformer/s has to be credited to respective UGVCL store as per norms.i. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.j. Over and above, any new ideas to improve customer services.
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6	<p>Maintenance of computer hardware</p> <ul style="list-style-type: none">a. We have numbers of computers and printers available for our office use at different locations under UGVCL area.b. The contract will be for maintenance of computer hardware/printers/Scanner/UPS etc.c. The rates of various components will be fixed in annual rate contractd. ARC will be finalized by corporate office for entire UGVCL company and detail work orders will be placed by each circle office.e. The contractor has to provide services to entire UGVCL jurisdiction and accordingly he has to deploy a service Engineer/technician.f. The complaint shall have to be resolved within 4 hours, all the components/hardware shall have to keep ready for prompt recovery of working of computer system.g. The contract period will be for two years and can be extended for further period mutually if performance is satisfactory.h. The spare parts shall be used of genuine approved make by UGVCL at the placement of order to successful bidder.
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7	<p>Indoor metering panel(Cubicle) for HT consumers</p> <ul style="list-style-type: none">a. At present Power supply connections of HT consumers i.e at 11 KV voltage system is being released by installing out door double pole mounted over head CTPT unit and HT energy meter is installed on the same double pole structure, other controlling equipments are mounted on same structure.b. We now intent to incorporate the metering cubicle on HT consumer installations in place of over head DP structure mounted metering set.c. There shall be minimum two compartments in the cubicle, one is for mounting of control gears and other is to mount 11 KV outdoor type CTPT metering set having over all dimensionsd. The Load break switch of 630 A having tested for short circuit capacity 26.3 KA for 3 seconds with earth switch mechanically inter locked with door and LBS, and HRC fuses will be mounted inside the cubicle with necessary bus bar arrangement.e. The cubicle shall have to be tested for various tests as per relevant standards.f. It shall be manufactured as per relevant standards.g. The insulation level of insulators inside the cubicle should be such that the cubicle should be immune to atmospheric conditions, no any short circuit or flash over should take over inside the cubicle in any heavy rain for days together.h. The installation shall be out door plinth mounted.i. Fabrications shall be powder coated after 7 tank bath wash.
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8	<p>Consumer side HT load break switch(LBS) panel with protection</p> <ul style="list-style-type: none">a. At present Power supply connections of HT consumers i.e at 11 KV voltage system is being released by installing out door double pole mounted overhead CTPT unit and HT energy meter is installed on the same double pole structure along with other controlling equipments are mounted on same structure.b. The 11 KV line is connected to HT consumer's over head out door double pole structure on which controlling equipments are installed on this structure.c. From the consumer side structure, 11 KV line is connected to HT bushings of power transformer of Consumer.d. We now intent to incorporate consumer side LBS cubicle in place of over head DP structure.e. The Load break switch of 630 A having tested for short circuit capacity 26.3 KA for 3 seconds with earth switch mechanically inter locked with door and LBS, and HRC fuses will be mounted inside the cubicle with necessary bus bar arrangement.f. The cubicle shall have to be tested for various tests as per relevant standards.g. It shall be manufactured as per relevant standards.h. The insulation level of insulators inside the cubicle should be such that the cubicle should be immune to atmospheric conditions, no any short circuit or flash over should take over inside the cubicle in any heavy rain for days together.i. The installation shall be out door plinth mounted.j. Fabrication should be Powder coated after 7 tank bath wash.
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9	<p>Provision for separate display of KWH and separate scrolling parameters in energy meters.</p> <ul style="list-style-type: none">a. Static Energy meters are used for recording various billing parameters.b. The meter displays various quantities like KWH of all the TODs, total export import quantities, MD in KW and KVA, Voltage and current of all the three phases etc. in scrolling mode. It takes longer time duration to complete one cycle. Which may mislead the meter readers as well as takes more time in meter readingc. Our most of the consumers are being billed on only KWH billing quantity.d. We now intent to have an additional display window for continues displaying cumulative KWH in single phase meters and displaying KWH, RKVAH lag and Billing MD in three phase meters.e. Or in the same display window, there should be two parts, in upper part of the window, continues display of above quantities and in lower part other scrolling parameters shall be shown as usual.f. We also intent to have a programmable alternative to show the cumulative billing quantities of last reset. We may opt any of the options.g. Size of letters should be legible with LCD display of Green/Yellow colour.
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10	<p>GPRS metering</p> <p>a. We have all HT Consumer metering through GSM base AMR</p> <p>b. In our system L&T, Secure, Genus, L&G, HPL, Linkwell, elster etc make meters are installed, New Meters manufacturer also come through various tendering process.</p> <p>c. Now we intent to adopt the automatic meter reading system through GPRS in Centrally monitor instead of GSM standalone application</p> <p>d. Hourly data transmission is required at present it will be vary as per our requirement up to 15 minutes</p> <p>e. Conversion of monthly billing data to transfer in UGVCL billing system to generate automatic energy bill without any human intervention is required. Interface and Common Data format will be provided by UGVCL.</p> <p>f. System should be web based application and required user Access to be provided to UGVCL. At present 50 Nos of Users required and it may be increased time to time so system will be scalable as per requirement.</p> <p>g. Regular free services for initial 5 years.</p> <p>h. One time free training to UGVCL Engineers.</p>	
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