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**RRGVY - Quality Monitoring on behalf of
Ministry of Power (MOP)**

**INVITATION FOR BIDS (IFB)
Specification Number: REC/MOP/NQM**



Rural Electrification Corporation Limited
(A Govt. of India Enterprise)
Core-4, SCOPE Complex New Delhi – 110003

INVITATION FOR BIDS

Quality Monitoring works on behalf of Ministry Of Power, Government of India for the RGGVY Projects in 11th Plan.

- 1.0 On behalf of Ministry of Power (MOP), Rural Electrification Corporation Ltd. (REC), the nodal agency for implementation of RGGVY projects, a national program for electrification of all villages and rural households, invites bids from the prospective domestic bidders for taking up Quality Monitoring (on behalf of MOP) of district based RGGVY projects in various states.
- 1.1 Bidders are expected to examine all instructions, forms, terms and specifications in the Bid documents and fully inform themselves as to all the conditions and matters which may in any way affect the scope of work or the cost thereof. All the bids shall be prepared in line with the instructions given in this Invitation for Bids.
- 2.0 **QUALIFYING REQUIREMENTS:** The qualifying requirements for the bidders are given at Annexure-A to the Terms and Conditions. The stated requirements are a minimum and MOP/REC reserves the right to request for any additional information and also reserves the right to reject the bid of any Bidder, if in their opinion, the qualification data is incomplete or the Bidder is found not qualified to satisfactorily perform the Contract.
- 3.0 **CONTENTS OF BIDDING DOCUMENTS:** The following shall constitute the Bidding Documents.
- i. Invitation for Bids
 - ii. Terms and conditions of Contract (Vol-I)
 - iii. Bid Proposal sheets Including the Deviation Schedules (Vol-IA)
- 4.0 **CLARIFICATIONS ON THE BIDDING DOCUMENTS:** If the prospective Bidder finds discrepancies or omissions, in specifications and documents or is in doubt as to the true meaning of any part, they shall at once make a request, in writing, for an interpretation/ clarification, to REC in triplicate. REC, then, will issue interpretation(s) and clarification(s) as it may think fit in writing. After receipt of such interpretation(s) and clarification(s), the Bidder may submit their bid but within the time and date as specified in the Invitation to Bid. All such interpretations and clarifications shall form a part of the Bidding Document and shall accompany the Bidder's bid. A prospective Bidder requiring any clarification on Bidding Document may notify REC in writing. REC will respond in writing to any request for such clarification of the Bidding Document which it receives not later than fifteen (15) days prior to the deadline for submission of bids prescribed by REC. Written copies of REC's response (including an explanation of the query but without identifying its source) will be sent to all prospective Bidders who have received the Bidding Document. Verbal clarification and information given by REC or its employee(s) or their representative(s) shall not in any way be binding on REC.

- 5.0 AMENDMENT TO BIDDING DOCUMENTS:** At any time prior to the deadline for submission of bids, REC may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Document by amendment (s). The amendment will be notified in writing or by Fax or by e-mail to all prospective Bidders, who have received the Bidding Document at the address contained in the letter of request from the Bidders for issue of Bidding Document. REC will bear no responsibility or liability arising out of non-receipt of the same in time or otherwise. Such amendments, clarifications, etc, shall be binding on the Bidders and will be given due consideration by the Bidders while they submit their bids and invariably enclose such documents as a part of the bid.
- 6.0 PREPARATION OF BIDS:** It will be imperative on each Bidder to fully inform himself of all local conditions and factors which may have any effect on the execution of the Contract covered under these documents and specifications. REC shall not entertain any request for clarifications from the Bidders, regarding such local conditions. It must be understood and agreed that such factors have properly been investigated and considered while submitting the bids. No claim for financial adjustment to the Contract awarded under these specifications and documents will be entertained by MOP/REC. Neither any change in the time schedule of the Contract nor any financial adjustments arising thereof shall be permitted by REC, which are based on the lack of such clear information or its effect on the cost of the Works to the Bidder. The Bidder shall bear all costs and expenses associated with preparation and submission of its bid including post-bid discussions, technical and other presentations etc, and REC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. Failure to furnish all information required by the Bid document or submission of a Bid not substantially responsive to the Bid document in every respect will be at the Bidder's risk and may result in the rejection of the bid.
- 7.0 SCOPE OF THE PROPOSAL:** The scope of the Proposal shall be on the basis of a single Bidder's responsibility, completely covering all the activities specified under the accompanying Technical Specifications in line with the terms and conditions under the bidding documents. The bidders are required to present along with the bid their proposed methodology for execution of the work as per specifications and details of expertise & facilities including hardware, software available with them.
- 8.0 DEVIATIONS FROM THE BIDDING DOCUMENTS:** Unless brought out clearly, the offer from the bidders shall be deemed to conform strictly to bidding documents. All deviations (technical & Commercial) from the specifications shall be clearly brought out in the schedule of deviations. Any discrepancy between the specification and the bid, unless clearly brought out in the Deviation Schedule along with the cost compensation for withdrawal of such deviation, will not be considered a valid deviation.
- 9.0 BID PRICE:** Bidders shall quote for the scope of work in Indian Rupees as per bid proposal sheets (BPS). The rates shall be offered for National Quality Monitors on behalf of MOP, in each state separately. The bid shall be submitted in the prescribed

format of the BPS, furnishing the price quoted state wise. The details of project, the coverage of number of districts/villages, Number of BPL connections, new and augmentation of 33/11 kV substations are enclosed state wise for information of the bidders at Annexure-A. The prices quoted shall be firm & shall not be affected by any change in awarded cost of turnkey contract or by any change in sanctioned cost. For the purpose of unit rates for inspection services, electrified villages and un-electrified villages (including habitations) shall be treated at par. No separate payment shall be made for substation visits These unit rates shall be considered for modification of contract price in case of any change in the number of villages during the currency of the contract.

- 9.1 The prices that are quoted and indicated in the BPS shall include inter-alia, all costs such as cost of engaging personnel, cost towards tools, tours & travel that may be required for successful completion of the work as per Technical Specifications, Vol.-II including cost of site arrangement, overheads, insurance, whatsoever, as stipulated in the bidding documents for the total scope of work. No claim on account of any taxes, duties and levies or any interest therein shall be entertained by REC except service tax.
- 9.2 **Taxes & Duties:** The quoted bid price shall include all taxes, duties and levies, but excluding Service tax and surcharge thereon. The service tax at applicable rates shall be paid along with each invoice. Also, the bidders shall have valid Service Tax Registration and ensure deposit of Service tax to the tax authorities.
- 9.3 **BID GUARANTEE:** (to be submitted by the bidder in a separate sealed cover)
The bidder shall furnish, as part of its bid, a Bid Guarantee in a separate sealed envelope for an amount of Rs. 0.10 lacs each for Sikkim, Mizoram, Tripura, Manipur, Nagaland; Rs. 0.25 lacs each for the states of Arunachal Pradesh, Meghalaya, J&K, Haryana, Andhra Pradesh, Karnataka, Himachal Pradesh, Chhattisgarh ; Rs. 0.75 lacs each for Punjab, Tamil Nadu, Bihar, Jharkhand, Gujarat, Assam & Rs. 1.5 lacs each for Rajasthan, Madhya Pradesh, West Bengal, Maharashtra & Orissa. Each bidder shall quote for at least two states. The bid guarantee shall be submitted in any of the following forms :
- a. Crossed Bank Demand Draft/ Banker's Cheque drawn in favour of REC Limited payable at New Delhi from any Public Sector Banks, reputed commercial Bank like ICICI & IDBI etc. or financial institutions like IFCI.
- OR**
- b. An irrevocable Bank Guarantee in the prescribed Format of REC Limited from any Public Sector Banks, reputed commercial Bank like ICICI & IDBI etc. or financial institutions like IFCI operative for thirty days after the validity of the offer as per the format enclosed as **Annexure-B** to this Volume. The Bid Guarantee shall be valid for a period of minimum 210 days from the date of opening of bids.
- 9.4 Any Bid not accompanied with the requisite bid guarantee in a separate sealed cover shall not be opened and shall be returned to the bidder without being opened.

- 9.5 The bid guarantee submitted by the bidders shall be returned to the unsuccessful bidders without any interest, upon placement of award on the successful bidder.
- 9.6 CPSUs, Govt. Utilities, Govt. Technical Educational Institutions (IITs, NITs etc.), Govt. Bodies, and RECPDCL are exempted from submission of Bid Guarantee. However, in the event these entities becoming successful bidders, Security Deposit (2% of award cost) shall be submitted upon receipt of award.

10.0 VALIDITY OF BID

The validity of submitted offer shall be minimum 180 days from the date of opening of bids.

11.0 PRICES AND PRICE ADJUSTMENT:

- 11.1 Prices for works covered under the scope shall be furnished by the bidder in the manner specified in the bid proposal sheets, (Volume IA). Bidders shall quote the price State wise. Bidder has to quote for at least two States or more, for the complete scope of work of Tier III as National Quality Monitor as stated in Technical Specifications, Volume-II. Bids submitted without covering full state shall be rejected. However, the educational institutions may quote for only one state also
- 11.2 Prices quoted by the bidder shall be firm during currency of the contract and not subject to variation on any account, whatsoever.
- 11.3 Bids submitted with an adjustable price quotation will be treated as non-responsive and rejected.

12.0 SUBMISSION OF BIDS:

- 12.1 The Bidder shall prepare three copies of the bid, clearly marking each bid as "Original Bid" or "Copy of bid", as appropriate. In the event of any discrepancy between them, the original shall govern. There shall be no fee for the tender documents and the tender document available on the web-site (recindia.nic.in) can be down-loaded. The bids may be submitted along-with the required bid-guarantee. Complete bid-document available on the web-site has to be signed by the bidder & submitted alongwith the bid."
- 12.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The letter of authorization shall be indicated by written Power-of-Attorney/ Authorization Letter accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid. The entire bid document shall be signed on all pages and submitted at the time of bidding.

- 12.3 The Bidders must submit the qualifying data in three copies, as required in a separate envelope sealed and enclosed in the envelope submitting Proposals, super-scribed as under:

“QUALIFYING REQUIREMENTS FOR UNDERTAKING NQM WORKS”

- 12.4 The Bidders must submit the price bid in three copies as required in a separate envelope, sealed and enclosed in the envelope submitting Proposals, super-scribed as under:

“PRICE BID FOR UNDERTAKING NQM WORKS”.

The price bids shall be opened only for qualified bidders who shall be notified about the date and time of opening of financial bid.

- 12.5 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

13.0 SIGNING OF THE BIDS:

- 13.1 The bid must contain the name, registered office and place of business of the person or persons submitting the bid and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below the signature.
- 13.2 Bid by a partnership firm must be furnished with full names of all partners and be signed with the partnership name, followed by the signature(s) and designation(s) of the authorized partner(s) or other authorized representative(s).
- 13.3 Bids by Corporation/Company must be signed with the legal name of the Corporation/Company by the President, Managing Director or by the Secretary or other person or persons authorized to bid on behalf of such Corporation/Company in the matter.
- 13.4 Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with the bid.
- 13.5 The Bidder's name stated on the Proposal shall be the exact legal name of the firm.
- 13.6 Bids not conforming to the above requirements of signing may be disqualified.
- 13.7 In case an associate is proposed, the role of the associate shall be clearly defined in the bid & the bid shall be jointly signed by both, the main bidder & the associate. In case of difficulty in signing the whole bid jointly, the associate shall submit an undertaking for completing the assignment jointly on non judicial stamp paper. The

contract agreement shall be signed by both the parties in case the association is declared successful bidder.”

14.0 SEALING AND MARKING OF BIDS:

The Bidders shall seal the original and each copy of the bid in an inner and an outer envelope, duly marking the envelopes as “Original” and “Copy”.

The inner and outer envelopes shall be:

a. Addressed to REC at the following address:

**AGM(QC)
Rural Electrification Corporation Ltd.,
Core-4, SCOPE Complex,
7, Lodi Road,
New Delhi-110 003.**

b. Bear the name of the package:

**“PROPOSAL FOR NATIONAL QUALITY MONITORS UNDER RGGVY”, and
the words “DO NOT OPEN BEFORE 09-12-08”**

14.1 The inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late” or “rejected”. If the outer envelope is not sealed and marked as required above, REC will assume no responsibility for the bid’s misplacement or premature opening.

15.0 DEADLINE FOR SUBMISSION OF BIDS & OPENING

15.1 The Bidders have the option of sending the bid by registered post or submitting the bid in person. Bids submitted by Fax/e-mail will not be accepted. No request from any Bidder to REC for collection of the Proposals from airlines, cargo agents etc. shall be entertained by REC.

15.2 Bids must be received by REC at the address specified under para 14.0, not later than time: 3.00 PM & date: 09-12-08. The bids shall be opened on the same day at time: 3.30 PM in public and in the presence of the participating bidders.

15.3 REC may, at its discretion, extend this deadline for the submission of bids by amending the Bidding Documents, in which case all rights and obligations of REC and Bidders subject to previous deadline will thereafter be subject to the deadline as extended.

16.0 LATE BIDS

16.1 Any bid received after the time & date fixed or extended for submission of bids prescribed by REC, will be rejected and/or returned unopened to the Bidder.

17.0 MODIFICATION AND WITHDRAWAL OF BIDS

- 17.1 The Bidder may modify or withdraw its bid after the bid's submission provided that written notice of the modification or withdrawal is received by REC prior to the deadline prescribed for submission of bids.
- 17.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked and despatched in accordance with the provisions of Clause 12.0.
- 17.3 No bid shall be modified subsequent to the deadline for submission of bids.
- 17.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal/modification of a bid during this interval may result in the forfeiture of bid security/ bid guarantee.

18.0 OPENING OF BIDS

- 18.1 REC will open bids except the price bids in the presence of Bidders' representatives (upto 2 persons) who choose to attend at the date and time for opening of bids. The Bidders' representatives, who are present, shall sign in a register evidencing their attendance. The price bids shall be opened only for the bidders who meet the qualifying requirements based on the documents submitted by the bidders along with the bid.
- 18.2 The Bidders' names, modifications, bid withdrawals and the presence or absence of the requisite bid guarantee and such other details as REC, at its discretion, may consider appropriate will be announced during bid opening. No electronic recording devices will be permitted during bid opening.

19.0 CLARIFICATION OF BIDS:

To assist in the examination, evaluation and comparison of bids, REC may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

20.0 PRELIMINARY EXAMINATION

- 20.1 REC will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order. If there is a discrepancy between words and figures, the amount in words will prevail and if there is a discrepancy between unit rates and total amount, the unit rates shall prevail. If the Bidder does not accept the correction of the errors as above, his Bid will be rejected and the amount of Bid guarantee forfeited. In case of any inconsistency in the prices furnished in the specified price schedules to be identified in Bid Form for this purpose, REC shall be entitled to consider the highest price for the purpose of

evaluation and for the purpose of award of the Contract shall use the lowest of the prices in these schedules.

- 20.2 A bid determined as not substantially responsive will be rejected by REC and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- 20.3 REC may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

21.0 EVALUATION AND COMPARISON OF BIDS

- 21.1 The bids/ offers submitted by the bidders, who meet the technical and financial criteria as indicated in the Qualifying Requirements, only will be taken up for evaluation.

The pricebids shall be opened only for Qualified Bidders & other bids shall be returned to the unqualified bidders in sealed condition as submitted by the bidder. For evaluation purpose, the total bid price (including taxes, duties & levies) will be considered State wise. The cost compensations indicated against the deviations both Technical & Commercial shall be considered during the evaluation in order to bring the all offers to a uniform level.

- 21.2 The award to L-1 bidder shall be considered State wise on the basis of the most competitive evaluated offer as per evaluation criterion at Annexure C.
- 21.3 REC reserves the right to assess the ability and capability of the bidder to perform the assignment. In the interest of the project to meet the schedules, in case MOP/ REC considers necessary, MOP/REC may split the job of one state & award the same to two or more bidders at the price of L1 evaluated bidder.
- 21.4 MOP/REC reserves the right to reject any offer in full or in part or to split the total work and award the work in smaller packages to more than one bidder. Smallest unit of award shall be one state.

22.0 AWARD CRITERIA

- 22.1 MOP/REC will award the Contract to the successful Bidder, whose bid has been determined to be substantially responsive and has been determined as the best offer in accordance with evaluation criterion as per Annexure-C evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily. MOP/REC shall be the sole judge in this regard. Further, MOP/REC reserves the right to award separate Contracts to two or more parties in line with the terms and conditions specified in the accompanying Technical Specifications.

22.2 Prior to the expiration of the period of bid validity and extended validity period, if any, REC will notify the successful Bidder in writing by registered letter/ courier or by telegram or fax, to be confirmed in writing by registered letter, that its bid has been accepted. The notification of award will constitute the formation of the Contract.

23.0 Letter of Award

MOP/REC along with notification to the successful Bidder that its bid has been accepted, and will send the Bidder the detailed Letter of Award, incorporating all agreements between the parties. Within 15 days of receipt of the detailed Letter of Award, the successful Bidder shall sign and date the same and return it to MOP/ REC.

24.0 Transferability of the Invitation for Bids & Bid documents:

The Bid documents are made available by REC in the company's website. The same can be downloaded for the purpose of preparatory works.

25.0 Bidders shall sign and seal all the pages of the bid document along with the Bid Proposal Sheets and submit the same at the time of submitting bid.

26.0 Pre bid meeting with the prospective bidders is scheduled on 18.11.08 at 2:30 p.m. All the bidders are requested to attend the pre-bid meeting.

ANNEXURE - A to IFB										
Sanction Parameters of 316 Projects Approved under 11th Plan										
State	Name of Project - District	Project Code	Impl. Agency	No. of un-electrified villages	No. of de-electrified villages	No. of electrified villages	Total No. of villages	No. of BPL HHs to be electrified	33 kV SS New (Nos)	33 kV SS Aug (Nos)
Andhra Pradesh	Anakapalle (Vishakhapatnam)	540175	ARCOOP-AP	0	0	143	143	39368	0	0
Andhra Pradesh	Cheepurupalli (Vizianagaram)	540176	CRCOOP-AP	0	0	104	104	29200	0	0
Andhra Pradesh	East Godavari	540170	SPDCL-AP	0	0	1323	1323	245334	3	0
Andhra Pradesh	Karimnagar	540171	NPDCL-AP	0	0	935	935	19417	0	0
Andhra Pradesh	Kuppam(Chittoor)	540177	CPDCL-AP	0	0	223	223	14835	0	0
Andhra Pradesh	Medak	540172	CPDCL-AP	0	0	1061	1061	34367	0	0
Andhra Pradesh	Ranga Reddy	540173	CPDCL-AP	0	0	893	893	14883	0	0
Andhra Pradesh	Sircilla (Karimnagar)	540178	RESCO-AP	0	0	173	173	9220	0	0
Andhra Pradesh	Warangal	540174	CPDCL-AP	0	0	1003	1003	71199	0	0
Arunachal Pradesh	West Siang	B80004	DOP-Ar.P	164	33	178	375	3981	2	0
Arunachal Pradesh	Lower Dibang Valley	B80005	DOP-Ar.P	23	17	69	109	1189	2	0
Arunachal Pradesh	Kurung Kumai	B80006	DOP-Ar.P	255	44	70	369	3273	3	0
Arunachal Pradesh	Upper Siang	B80014	DOP-Ar.P	25	1	52	78	531	0	0
Arunachal Pradesh	East Kameng	B80007	DOP-Ar.P	208	32	0	240	2086	2	0



Arunachal Pradesh	Lohit	B80008	DOP-Ar.P	62	0	156	218	2599	1	0
Arunachal Pradesh	Dibang Valley	B80016	DOP-Ar.P	68	0	31	99	483	0	0
Arunachal Pradesh	Upper Subansiri	B80009	DOP-Ar.P	198	86	51	335	3066	1	0
Arunachal Pradesh	Anjaw	B80010	DOP-Ar.P	215	0	45	260	1993	1	0
Arunachal Pradesh	Tirap	B80011	DOP-Ar.P	62	1	158	221	8749	0	0
Arunachal Pradesh	Tawang	B80015	DOP-Ar.P	79	0	131	210	259	2	0
Arunachal Pradesh	West Kameng	B80012	DOP-Ar.P	154	36	154	344	2898	3	0
Arunachal Pradesh	Changlang	B80013	DOP-Ar.P	60	22	241	323	2218	2	3
Assam	Barpeta	310023	ASEB	60	166	791	1017	63567	1	0
Assam	Bongaigaon	310022	ASEB	13	338	501	852	41969	0	0
Assam	Darrang	310003	ASEB	45	159	1082	1286	53273	1	0
Assam	Dhemaji	310016	ASEB	441	190	251	882	21322	1	0
Assam	Dhubri	310008	ASEB	133	260	782	1175	74274	1	0
Assam	Dibrugarh	310017	POWERGRID	132	140	786	1058	24240	1	0
Assam	Golaghat	310018	ASEB	366	117	508	991	43026	2	0
Assam	Hailakandi	310009	POWERGRID	22	49	250	321	9788	1	1
Assam	Jorhat	310010	ASEB	60	183	472	715	36041	1	0
Assam	Kamrup	310011	ASEB	29	350	927	1306	74943	1	0
Assam	Karbri Anglong	310005	ASEB	1254	126	436	1816	31504	2	0

Assam	Karimganj	310019	POWERGRID	135	75	459	669	27488	1	0
Assam	Kokrajhar	310012	POWERGRID	94	337	414	845	40899	2	0
Assam	Lakimpur	310013	ASEB	370	174	503	1047	34745	1	0
Assam	Morigaon	310020	ASEB	101	213	264	578	35417	0	0
Assam	Nagaon	310006	ASEB	172	186	1003	1361	100514	3	0
Assam	Nalbari	310021	ASEB	5	140	653	798	45672	2	0
Assam	North Cachal Hill	310004	ASEB	113	129	128	370	4681	0	0
Assam	Sibsagar	310014	POWERGRID	25	77	360	462	13505	1	0
Assam	Sonitpur	310015	POWERGRID	503	140	1014	1657	65817	0	0
Bihar	Begusarai	710034	BSEB	106	281	341	728	90912	10	6
Bihar	Dharbangha (sup)	710043	NHPC	56	234	419	709	135621	3	5
Bihar	East Champaran (sup)	710036	NHPC	88	8	439	535	192079	5	0
Bihar	Jahanabad and Arwal (2districts)	710035	POWERGRID	26	514	0	540	23953	4	3
Bihar	Katihar	710042	BSEB	610	421	259	1290	142350	8	7
Bihar	Khagaria	710039	BSEB	59	74	108	241	36671	4	6
Bihar	Madhepura	710041	BSEB	50	184	147	381	75084	4	4
Bihar	Madhubani (sup)	710037	NHPC	221	27	459	707	165563	4	4
Bihar	Muzaffarpur	710033	POWERGRID	335	0	1481	1816	291343	4	2
Bihar	Saharsa	710040	BSEB	94	173	174	441	72996	5	3
Bihar	Samastipur	710044	BSEB	4	451	658	1113	73332	7	11
Bihar	Sheikhpura	710038	BSEB	34	128	106	268	30538	2	5
Bihar	Sheohar(sup)	710024	NHPC	40	14	52	106	33507	1	0
Bihar	Sitamarhi(sup)	710030	NHPC	217	28	252	497	152735	5	1
Bihar	Supaul	710031	BSEB	153	204	169	526	80681	5	7



Bihar	Vaishali	710029	POWERGRID	336			1233	1569	133307	6	2
Bihar	West Champanan(sup)	710032	NHPC	392	524		374	1290	178284	6	0
Chhattisgarh	Bilaspur	A80005	NTPC	0	0		1565	1565	122355	0	3
Chhattisgarh	Dhamtari	A80006	NHPC	5	0		578	583	11264	0	0
Chhattisgarh	Kanker	A80007	NHPC	4	1		960	965	35323	0	4
Chhattisgarh	Korba	A80003	NTPC	17	32		573	622	26489	1	3
Chhattisgarh	Mahasamund	A80008	NHPC	0	0		1106	1106	11834	0	38
Chhattisgarh	Raigarh	A80009	NTPC	32	2		1397	1431	66542	1	7
Chhattisgarh	Raipur	A80010	NHPC	16	3		2080	2099	72427	0	2
Chhattisgarh	Rajnandgoan	A80011	NHPC	0	0		1589	1589	20544	0	10
Gujarat	Ahemedabad	340005	UGVCL	0	0		546	546	49552	0	0
Gujarat	Amerli	340010	PGVCL	0	0		614	614	15510	0	0
Gujarat	Anand	340007	MGVCL	0	0		350	350	43665	0	0
Gujarat	Banaskantha	340011	UGVCL	0	0		1244	1244	78688	0	0
Gujarat	Bhavnagar	340009	PGVCL	0	0		816	816	26280	0	0
Gujarat	Dang	340006	DGVCL	0	0		311	311	3262	0	0
Gujarat	Dhod	340012	MGVCL	0	0		692	692	33830	0	0
Gujarat	Gandhinagar	340013	UGVCL	0	0		290	290	17624	0	0
Gujarat	Jamnagar	340014	PGVCL	0	0		670	670	12615	0	0
Gujarat	Junagarh	340015	PGVCL	0	0		875	875	31332	0	0
Gujarat	Kheda	340016	MGVCL	0	0		612	612	67094	0	0
Gujarat	Kutch	340017	PGVCL	0	0		867	867	53355	0	0
Gujarat	Mehsana	340018	UGVCL	0	0		595	595	24283	0	0
Gujarat	Navsari	340019	DGVCL	0	0		374	374	16704		



Gujarat	Patan	340020	UGVCL	0	0	517	517	39640	0	0	0
Gujarat	Porbandar	340021	PGVCL	0	0	152	152	5211	0	0	0
Gujarat	Rajkot	340022	PGVCL	0	0	844	844	19862	0	0	0
Gujarat	Sabarkantha	340004	UGVCL	0	0	1372	1372	76688	0	0	0
Gujarat	Surat	340023	DGVCL	0	0	1145	1145	82062	0	0	0
Gujarat	Surendernagar	340024	PGVCL	0	0	650	650	22026	0	0	0
Gujarat	Vadodra	340008	MGVCL	0	0	1543	1543	24710	0	0	0
Gujarat	Valsad	340025	DGVCL	0	0	446	446	22686	0	0	0
Haryana	Ambala	890007	UHBVNL	0	0	462	462	8777	0	0	0
Haryana	Bhiwani	890006	DHBVNL	0	0	423	423	21632	0	0	0
Haryana	Fatehabad	890008	DHBVNL	0	0	292	292	8304	0	0	0
Haryana	Hisar	890009	DHBVNL	0	0	299	299	24845	0	0	0
Haryana	Jhajjar	890010	UHBVNL	0	0	246	246	4452	0	0	0
Haryana	Jind	890011	UHBVNL	0	0	299	299	31146	0	0	0
Haryana	Kaithal	890012	UHBVNL	0	0	269	269	7194	0	0	0
Haryana	Kurukshetra	890013	UHBVNL	0	0	387	387	6898	0	0	0
Haryana	Mewat	890014	DHBVNL	0	0	423	423	17935	0	0	0
Haryana	Mahendergarh	890015	DHBVNL	0	0	361	361	5007	0	0	0
Haryana	Panchkula	890016	UHBVNL	0	0	216	216	625	0	0	0
Haryana	Rewari	890017	DHBVNL	0	0	298	298	14073	0	0	0
Haryana	Sirsa	890005	DHBVNL	0	0	322	322	22118	0	0	0
Haryana	Yamunanagar	890018	UHBVNL	0	0	613	613	1869	0	0	0
Himachal Pradesh	Bilaspur	300005	HPSEB	0	0	278	278	42	0	0	0
Himachal Pradesh	Hamirpur	300006	HPSEB	0	0	274	274	187	0	0	0



Himachal Pradesh	Kangra	300007	HPSEB	2	0	1566	1568	3020	0	0
Himachal Pradesh	Kullu	300009	HPSEB	0	0	172	172	520	0	0
Himachal Pradesh	Mandi	300010	HPSEB	12	0	1398	1410	1537	0	0
Himachal Pradesh	Shimla	300008	HPSEB	9	0	1310	1319	2676	0	0
Himachal Pradesh	Sirmour	300004	HPSEB	1	0	965	966	1024	0	0
Himachal Pradesh	Solan	300002	HPSEB	0	0	2377	2377	1599	0	3
Himachal Pradesh	Una	300003	HPSEB	0	0	758	758	964	0	2
Jammu & Kashmir	Anantag	900033	PDD-J&K	5	0	600	605	12183	0	6
Jammu & Kashmir	Badgam	900002	NHPC	9	0	461	470	1519	2	0
Jammu & Kashmir	Baramulla	900034	PDD-J&K	22	0	576	598	5625	0	5
Jammu & Kashmir	Doda	900039	PDD-J&K	25	0	586	611	28031	5	0
Jammu & Kashmir	Jammu	900035	NHPC	0	0	1019	1019	6314	0	0
Jammu & Kashmir	Kargil	900042	NHPC	27	0	101	128	1038	5	0
Jammu & Kashmir	Leh	900043	NHPC	35	0	112	147	3755	6	0



Jammu & Kash- mir	Pulwama	900036	NHPC	7	12	509	528	8331	0	0
Jammu & Kash- mir	Rajouri	900037	PDD-J&K	9	0	368	377	5127	0	4
Jammu & Kash- mir	Srinagar	900040	NHPC	7	0	161	168	3748	1	3
Jharkhand	Chatra	D10022	DVC	952	170	219	1341	84279	8	1
Jharkhand	Dumka	D10023	NTPC	2253	48	365	2666	193106	2	4
Jharkhand	Giridih	D10017	DVC	1478	480	418	2376	131143	5	5
Jharkhand	Godda	D10018	NTPC	1168	64	391	1623	130892	4	0
Jharkhand	Hazaribagh	D10019	DVC	670	51	750	1471	125996	4	7
Jharkhand	Lohardaga	D10020	NTPC	138	144	69	351	8186	4	0
Jharkhand	Pakaur	D10021	NTPC	902	82	144	1128	14208	3	6
Jharkhand	Ranchi	D10024	NTPC	1109	177	704	1990	41083	8	0
Jharkhand	Sahebganj	D10025	NTPC	943	181	183	1307	20585	7	0
Karnataka	Belgaum	550174	HESCOM	5	0	1131	1136	62430	0	0
Karnataka	Belgaum	550168	HKR RE CO	0	0	123	123	14074	1	0
Karnataka	Chamrajnagar	550169	GESCOM	0	0	422	422	22781	0	0
Karnataka	Chickmagalur	550166	HESCOM	1	0	1033	1034	19429	0	0
Karnataka	Gulbarga (Revised)	550165	GESCOM	0	0	1344	1344	58973	0	0
Karnataka	Shimoga	550167	MESCOM	48	0	1471	1519	23098	0	0
Karnataka	Uttar Kannada	550170	HESCOM	29	0	1219	1248	19657	0	0
Madhya Pradesh	Anuppur	910019	MPPUKVCL	12	0	520	532	13917	0	0
Madhya Pradesh	Balaghat	910020	MPPUKVCL	0	0	1196	1196	106350	0	0
Madhya Pradesh	Betul	910021	MPMVCL	0	0	1249	1249	42164	0	26



Madhya Pradesh	Chhatarpur	910022	MPPUKVVCL	24	2	512	538	30905	0	3
Madhya Pradesh	Dhar	910023	MPPSKVVCL	0	0	1473	1473	52299	0	14
Madhya Pradesh	Dindori	910024	MPPSKVVCL	0	0	848	848	34423	1	1
Madhya Pradesh	Harda	910032	MPMVVCL	26	0	471	497	11819	0	7
Madhya Pradesh	Jhabua	910010	MPPSKVVCL	1	13	1280	1294	81769	0	5
Madhya Pradesh	Katni	910025	MPPUKVVCL	15	0	849	864	73191	0	0
Madhya Pradesh	Mandla	910026	MPPUKVVCL	17	0	1152	1169	55787	0	1
Madhya Pradesh	Morena	910034	MPMVVCL	3	166	612	781	22037	0	8
Madhya Pradesh	Narsinghpur	910011	MPPUKVVCL	0	0	1033	1033	53881	0	0
Madhya Pradesh	Panna	910027	MPPUKVVCL	23	1	848	872	37448	0	0
Madhya Pradesh	Ratlam	910033	MPPSKVVCL	0	0	1053	1053	32075	0	0
Madhya Pradesh	Rewa	910028	MPPUKVVCL	204	0	2211	2415	56063	0	0
Madhya Pradesh	Sagar	910029	MPPUKVVCL	68	23	1779	1870	68225	0	0
Madhya Pradesh	Satna	910016	MPPUKVVCL	42	0	1399	1441	43545	0	0
Madhya Pradesh	Shahdol	910030	MPPUKVVCL	7	4	776	787	35485		
Madhya Pradesh	Sidhi	910018	MPPUKVVCL	19	0	1391	1410	77861	0	10
Madhya Pradesh	Tikamgarh	910017	MPPUKVVCL	1	0	864	865	43733	0	0
Madhya Pradesh	Umaria	910031	MPPUKVVCL	4	0	562	566	27871	0	0
Maharashtra	Ahemadnagar	A60018	MSEDCO	0	0	1397	1397	94911	0	0
Maharashtra	Akola	A60014	MSEDCO	0	0	862	862	75138	0	0
Maharashtra	Amravati	A60010	MSEDCO	0	0	1671	1671	87064	0	0
Maharashtra	Aurangabad	A60013	MSEDCO	0	0	1302	1302	58533	0	0
Maharashtra	Beed	A60019	MSEDCO	0	0	1353	1353	55552	0	0
Maharashtra	Bhandara	A60009	MSEDCO	0	0	742	742	68961	0	0
Maharashtra	Buldhana	A60020	MSEDCO	0	0	1297	1297	110120	0	0
Maharashtra	Chandrapur	A60021	MSEDCO	0	0	1522	1522	42943	0	0



Maharashtra	Gadchiroli	A60022	MSED	0	0	1523	1523	39217	0	0	0
Maharashtra	Hingoli	A60023	MSED	0	0	672	672	15133	0	0	0
Maharashtra	Jalgaon	A60024	MSED	0	0	1490	1490	102786	0	0	0
Maharashtra	Jalna	A60016	MSED	0	0	966	966	43020	0	0	0
Maharashtra	Kolhapur	A60025	MSED	0	0	1193	1193	7461	0	0	0
Maharashtra	Latur	A60026	MSED	0	0	937	937	57686	0	0	0
Maharashtra	Nagpur	A60015	MSED	0	0	1614	1614	60000			
Maharashtra	Nandurbar	A60012	MSED	0	0	749	749	94939	0	0	0
Maharashtra	Nashik	A60027	MSED	0	0	1923	1923	93097	0	11	11
Maharashtra	Osmanabad	A60028	MSED	0	0	735	735	44005	0	0	0
Maharashtra	Parbhani	A60029	MSED	0	0	832	832	55467	0	0	0
Maharashtra	Pune	A60008	MSED	0	0	1844	1844	52984	6	0	0
Maharashtra	Raigad	A60030	MSED	0	0	1852	1852	27979	0	0	0
Maharashtra	Ratnagiri	A60004	MSED	0	0	1539	1539	26869	0	0	0
Maharashtra	Sangli	A60011	MSED	0	0	729	729	43431	0	0	0
Maharashtra	Satara	A60017	MSED	0	0	1731	1731	20404	0	0	0
Maharashtra	Sindhudurg	A60031	MSED	0	0	687	687	5486	0	0	0
Maharashtra	Thane	A60032	MSED	0	0	564	564	29398	0	0	0
Maharashtra	Vasai	A60033	MSED	6	0	952	958	44633	0	0	0
Maharashtra	Wardha	A60002	MSED	0	0	1004	1004	43997	3	0	0
Maharashtra	Washim	A60034	MSED	0	0	702	702	33934	0	0	0
Maharashtra	Yavatmal	A60006	MSED	0	0	1856	1856	78705	0	0	0
Manipur	Senapati	B10004	Govt. of Manipur	105	146	334	585	22566	1		
Manipur	Ukhrul	B10003	Govt. of Manipur	2	56	123	181	12175	2	2	2



Meghalaya	East garo Hills	C50004	Megh SEB	361	109	335	805	15059	2	
Meghalaya	East Khasi Hills	C50005	Megh SEB	0	19	834	853	14193	0	0
Meghalaya	South Garo Hills	C50006	Megh SEB	364	15	248	627	5384	2	0
Meghalaya	West garo Hills	C50007	Megh SEB	534	123	816	1473	40543	1	0
Meghalaya	West Khasi Hills	C50002	Megh SEB	224	20	506	750	17592	0	0
Mizoram	Aizawal	B20006	Govt. of Mizo	3	8	98	109	3173	2	0
Mizoram	Champhai	B20005	Govt. of Mizo	2	7	76	85	7096	0	0
Mizoram	Kolasib	B20003	Govt. of Mizo	5	0	27	32	1615	0	0
Mizoram	Mamit	B20008	Govt. of Mizo	1	6	75	82	4008	0	0
Mizoram	Saiha	B20001	Govt. of Mizo	7	8	53	68	2607	1	0
Mizoram	Serchhip	B20004	Govt. of Mizo	0	0	32	32	300	0	0
Nagaland	Dimapur	A90023	Dept. of Power Nagaland	18	0	198	216	9289	1	0
Nagaland	Kiphire	A90024	Dept. of Power Nagaland	5	1	85	91	5462	2	0
Nagaland	Kohoima	A90018	Dept. of Power Nagaland	0	0	94	94	8618	1	0
Nagaland	Longleng	A90001	Dept. of Power Nagaland	6	0	23	29	5494	0	2
Nagaland	Mokokchung	A90016	Dept. of Power Nagaland	0	0	102	102	4827	1	3
Nagaland	Mon	A90017	Dept. of Power Nagaland	2	12	88	102	10038	2	1
Nagaland	Peren	A90019	Dept. of Power Nagaland	4	12	70	86	4195	0	3

Nagaland	Tuensang	A90020	Dept. of Power Nagaland	0	0	122	122	5274	2	0
Nagaland	Wokha	A90021	Dept. of Power Nagaland	15	18	91	124	2413	1	2
Orissa	Balasure	D20007	POWERGRID	83	91	2445	2619	168238	1	0
Orissa	Baragarh	D20009	NTPC	23	94	1062	1179	136314	6	0
Orissa	Bhadrak	D20028	POWERGRID	151	138	953	1242	69203	1	12
Orissa	Bolangir	D20010	NTPC	369	95	1300	1764	153039	0	0
Orissa	Boudh	D20011	NHPC	665	68	376	1109	66599	0	6
Orissa	Cuttack	D20012	POWERGRID	15	146	1693	1854	146757	0	14
Orissa	Devogarh	D20013	NTPC	327	27	344	698	46115	0	2
Orissa	Dhenkanal	D20030	NTPC	87	163	817	1067	47531	1	4
Orissa	Jagatsinghpur	D20014	POWERGRID	81	35	1113	1229	97029	1	4
Orissa	Jajpur (CESCO)	D20031	POWERGRID	0	5	198	203	16293	0	1
Orissa	Jajpur(NESCO)	D20015	POWERGRID	25	102	1248	1375	143761	0	22
Orissa	Jharsuguda	D20016	NTPC	18	27	308	353	24393	2	1
Orissa	Kalahandi	D20017	NTPC	1053	47	917	2017	216253	3	13
Orissa	Kendrapara	D20018	POWERGRID	135	95	1177	1407	81429	0	11
Orissa	Keonjhar	D20029	NTPC	591	328	1157	2076	184865	2	14
Orissa	Khandamal	D20019	NHPC	1416	188	756	2360	79924	2	10
Orissa	Khurda	D20020	POWERGRID	99	46	1218	1363	82498	1	10
Orissa	Koraput	D20021	NTPC	1262	17	579	1858	208158	3	
Orissa	Malkangiri	D20022	POWERGRID	789	44	165	998	54731	1	5
Orissa	Mayurbhanj	D20023	POWERGRID	1074	650	2029	3753	231889	4	13
Orissa	Nawrangapur	D20008	POWERGRID	422	128	350	900	111897	2	7
Orissa	Nuapada	D20024	NTPC	168	48	391	607	76398	1	4



Orissa	Puri	D20025	NHPC	21	31	1451	1503	35949	0	2
Orissa	Rayagada(Phoolbani)	D20026	NHPC	1582	481	402	2465	127550	0	9
Orissa	Sambalpur	D20027	NTPC	396	77	766	1239	71183	1	1
Orissa	Sonepur	D20004	POWERGRID	398	75	486	959	63078	0	6
Orissa	Sundargarh	D20003	POWERGRID	563	234	884	1681	109709	3	8
Punjab	Amritsar	A70002	PSEB	0	0	1173	1173	30941	0	0
Punjab	Bhatinda	A70003	PSEB	0	0	260	260	5401	0	0
Punjab	Faridkot	A70004	PSEB	0	0	155	155	7569	0	0
Punjab	Fatehgarh Sahib	A70005	PSEB	0	0	418	418	812	0	0
Punjab	Ferozpur	A70001	PSEB	0	0	962	962	25004	0	0
Punjab	Gurdaspur	A70006	PSEB	0	0	1649	1649	28015	1	0
Punjab	Hoshiarpur	A70007	PSEB	0	0	1386	1386	3317	0	0
Punjab	Jalandhar	A70008	PSEB	0	0	816	816	4630	0	0
Punjab	Kapurthala	A70009	PSEB	0	0	521	521	1946	0	0
Punjab	Ludhiana	A70010	PSEB	0	0	895	895	2687	0	0
Punjab	Mansa	A70011	PSEB	0	0	241	241	3686	0	0
Punjab	Moga	A70012	PSEB	0	0	316	316	5504	0	0
Punjab	Mukatsar	A70013	PSEB	0	0	232	232	7910	0	0
Punjab	Nawanshahar	A70014	PSEB	0	0	442	442	1504	0	0
Punjab	Patiala	A70015	PSEB	0	0	915	915	6251	0	0
Punjab	Rupnagar (Ropar)	A70016	PSEB	0	0	878	878	4042	0	0
Punjab	Sangrur	A70017	PSEB	0	0	581	581	9641	0	0
Rajasthan	Banswara	840040	AVVNL	0	446	967	1413	156127	0	0
Rajasthan	Baran	840028	POWERGRID	13	103	973	1089	41358	0	0
Rajasthan	Barmer (UE)	840029	JDVNL	34	0	0	34	233	0	0
Rajasthan	Bharatpur	840007	POWERGRID	27	72	1267	1366	41821	0	0

Rajasthan	Chittorgarh (sup)	840030	AVNL	0	207	1977	2184	125862	0	0
Rajasthan	Dholpur(sup)	840031	JVNL	0	131	491	622	17284	0	0
Rajasthan	Hanumangarh(sup)	840032	JDVNL	0	132	1576	1708	77616	0	0
Rajasthan	Jaipur	840033	JVNL	32	15	2030	2077	52163	0	0
Rajasthan	Karauli (sup)	840034	JVNL	5	71	632	708	41472	0	0
Rajasthan	Nagaur (addl)	840035	POWERGRID	0	26	1357	1383	42762	0	0
Rajasthan	Pali	840036	POWERGRID	12	9	915	936	46532	0	0
Rajasthan	S. Madhopur	840026	JVNL	2	79	631	712	47827	0	0
Rajasthan	SriGanganagar(sup)	840037	JDVNL	0	179	2505	2684	34910	0	0
Rajasthan	Tonk	840038	JVNL	17	126	889	1032	54119	0	0
Rajasthan	Udaipur(sup)	840039	AVNL	0	377	1793	2170	202369	0	0
Sikkim	East	D40001	Dept. of Power, Sikkim	0	0	124	124	4672	0	0
Sikkim	South	D40003	Dept. of Power, Sikkim	9	0	136	145	3062	0	0
Tamil nadu	Coimbatore	D30015	TNEB	0	0	388	388	27935	0	0
Tamil nadu	Cuddalore	D30012	TNEB	0	0	685	685	37703	0	0
Tamil nadu	Dindigul	D30011	TNEB	0	0	337	337	13321	0	0
Tamil nadu	Erode	D30017	TNEB	0	0	343	343	17369	0	0
Tamil nadu	Kancheepuram	D30005	TNEB	0	0	904	904	18723	0	0
Tamil nadu	Kanya Kumari	D30003	TNEB	0	0	81	81	3095	0	0
Tamil nadu	Karur	D30018	TNEB	0	0	154	154	16679	0	0
Tamil nadu	Krishnagari	D30019	TNEB	0	0	345	345	8602	0	0
Tamil nadu	Madurai	D30020	TNEB	0	0	425	425	16152	0	0
Tamil nadu	Nagapattinam	D30021	TNEB	0	0	424	424	32252	0	0
Tamil nadu	Namakkal	D30014	TNEB	0	0	300	300	13981	0	0



Tamil nadu	Perambalur	D30009	TNEB	0	0	346	346	16826	0	0	0
Tamil nadu	Pudukkottai	D30022	TNEB	0	0	765	765	27073	0	0	0
Tamil nadu	Ramnathapuram	D30006	TNEB	0	0	385	385	18931	0	0	0
Tamil nadu	Salem	D30023	TNEB	0	0	380	380	27586	0	0	0
Tamil nadu	Sivaganga	D30024	TNEB	0	0	445	445	12862	0	0	0
Tamil nadu	Thanjavur	D30004	TNEB	0	0	589	589	35525	0	0	0
Tamil nadu	Theni	D30010	TNEB	0	0	133	133	7333	0	0	0
Tamil nadu	Thiruchirapalli	D30001	TNEB	0	0	451	451	23047	0	0	0
Tamil nadu	Thiruvannmalai	D30007	TNEB	0	0	860	860	35106	0	0	0
Tamil nadu	Thiruvar	D30002	TNEB	0	0	413	413	19175	0	0	0
Tamil nadu	Tiruvallur	D30025	TNEB	0	0	539	539	16543	0	0	0
Tamil nadu	Tuticorin	D30026	TNEB	0	0	408	408	528	0	0	0
Tamil nadu	Vellore	D30013	TNEB	0	0	762	762	32517	0	0	0
Tamil nadu	Villupuram	D30008	TNEB	0	0	1104	1104	55674	0	0	0
Tamil nadu	Virudhunagar	D30027	TNEB	0	0	450	450	10973	0	0	0
Tripura	North Tripura	C40003	Dept. of Power Tripura	79	0	78	157	45589	2	0	0
Tripura	West Tripura	C40004	Dept. of Power Tripura	18	0	245	263	77463	3	1	0
Tripura	South Tripura	C40002	Dept. of Power Tripura	15	0	247	262	58559	2	0	0
West Bengal	Malda (supp)	490171	WBSEB	0	0	1552	1552	126087	0	0	0
West Bengal	Howrah	490180	WBSEB	0	0	776	776	66962	0	0	0
West Bengal	DarjeelingSMP(supp)	490181	WBSEB	0	0	285	285	18718	1	0	0
West Bengal	Hooghly	490172	WBSEB	0	0	1416	1416	30103	2	0	0
West Bengal	Cooch Behar	490173	WBSEB	0	0	1110	1110	243700	0	0	0



West Bengal	Purulia (supp)	490174	NHPC	231	59	1723	2013	174105	5	1
West Bengal	Burdwan (supp)	490182	WBSEB	0	0	2437	2437	257702	0	0
West Bengal	Birbhum(sup)	490183	WBSEB	0	0	2088	2088	212528	0	0
West Bengal	Murshidabad(sup)	490175	WBSEB	0	0	1898	1898	458220		
West Bengal	Nadia	490177	WBSEB	0	0	1222	1222	236244	0	0
West Bengal	Uttar Dinajpur (supp)	490178	WBSEB	0	0	1342	1342	139704	0	0
West Bengal	Dakshin Dinajpur (supp)	490176	WBSEB	0	0	1279	1279	106569	0	2
West Bengal	24 Parganas (South) (sup)	490179	WBSEB	0	0	1948	1948	279817	0	0
West Bengal	West Medinipur (Kharagpur Block only) (supp)	490170	POWERGRID	0	0	5367	5367	278360	1	
West Bengal	West Medinipur (Kharagpur Block only) (supp)	490184	NTPC	0	0	332	332	12055	0	0

Annexure-B to IFB

PROFORMA OF BANK GUARANTEE FOR BID GUARANTEE
[To be stamped in accordance with Stamp Act]

To,
REC Limited,
Core-4, SCOPE Complex,
Lodhi Road
New Delhi – 110 003.

Dear Sirs,

In accordance with Invitation to Bid under your Specification No... REC/MOP/NQM M/s.....,its Registered /Head Office at wish to participate in the said Bid forand you, as a special favour have agreed to accept an irrevocable and unconditional Bank Guarantee for an amount of valid upto On behalf of Bidder in lieu of the Bid deposit required to be made by the Bidder, as a condition precedent for participation in the said Bid.

We,..... the Bank at..... (local address) having our Head Office at guarantee and undertake to pay immediately on demand to REC Ltd the amount of (in words & figure) without any reservation, protest, demur, and recourse. Any such demand made by said 'REC' shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This Guarantee shall be irrevocable and shall remain valid up to and including @..... if any further extension of this guarantee is required, the same shall be extended to such required period (not exceeding on year) on receiving instructions from M/s..... on behalf of this guarantee is issued.

In witness whereof of the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____ 2008 _____ at _____.

WITNESS

[SIGNATURE]

[Name]

[Official Address]

[SIGNATURE]

[Name]

[Designation with Bank Stamp]

Attorney as per
Power of Attorney No. _____
Date: _____

Note: @ This date shall be thirty (30days after the last date for which the bid is valid.

Annexure-C to IFB

Evaluation Criterion

Point based Qualification Requirement

Parameter	Marks	Max marks	Weight	Max. points
Technical				
Each Graduate Engineer having > 15 Yrs experience	1 Mark each	5	15%	0.75
Every 5 Graduate Engineers having > 5 Yrs experience	1 Mark for each 5 engineers	5	15%	0.75
Each work of similar nature (as per cl. 1.1.1 c) of Annex-A to Terms & conditions of contract) of value > 20 lacs	1 Mark for Each work	5	50%	2.5
Financial				
Annual Turnover > 10 Cr	1 Mark for 10 Cr & 1 additional mark for each additional 5Cr	5	10%	0.5
Cumulative Turnover > 40 Cr in past 5 years	1 Mark for 40 Cr & 1 additional mark for each additional 20 Cr	5	10%	0.5
		25	100%	5

Weightage of Qualification Requirements (70%)

Max. Points obtained out of scores of various bidders = Q

Max. Points obtained by concerned bidder = Qn

Weightage of bidder $A = (Qn / Q) \times 100 \times 0.7$

Weightage of Price bids (30%)

Price quoted by Lowest bidder = P

Price quoted by concerned bidder = Pn

Weightage of bidder $B = P / Pn \times 100 \times 0.3$

Total weightage of bidder = A+B

Ranking of the bidders for consideration of award shall be based on the highest total weightage of the bidders.

Illustration

Max points obtained for QR by any bidder $Q = 4$

Price quoted by Lowest bidder $P = \text{Rs. } 10 \text{ Crore}$

Bidder-1

Points obtained for QR by bidder-1 $Q_n = 4$

Weightage of bidder-1 $A = (4/4) \times 100 \times 0.7 = 70$

Price quoted by bidder-1 $P_n = \text{Rs. } 25 \text{ Crore}$

Weightage of bidder-1 $B = (10/25) \times 100 \times 0.3 = 12$

Total weightage of bidder-1 = A+B = 70+12 = 82

Bidder-2

Points obtained for QR by bidder-2 $Q_n = 3.5$

Weightage of bidder-2 $A = (3.5/4) \times 100 \times 0.7 = 61.25$

Price quoted by bidder-2 = Rs. 18 Crore

Weightage of bidder-2 $B = (10/18) \times 100 \times 0.3 = 16.67$

Total weightage of bidder-2 = A+B = 61.25+16.67 = 77.92

Bidder-3

Points obtained for QR by bidder-3 $Q_n = 2.5$

Weightage of bidder-3 $A = (2.5/4) \times 100 \times 0.7 = 43.75$

Price quoted by bidder-3 = 10 Crore

Weightage of bidder-3 $B = (10/10) \times 100 \times 0.3 = 30$

Total weightage of bidder = A+B = 43.75+30 = 73.75

Bidder-1 is considered for award.

Volume-I

RGVY - Quality Monitoring on behalf of MOP.

TERMS AND CONDITIONS OF CONTRACT
Specification Number: REC/MOP/NQM



Rural Electrification Corporation Limited

(A Govt. of India Enterprise)

Core-4, SCOPE Complex New Delhi – 110003

TERMS AND CONDITIONS OF CONTRACT

1.0 Rajiv Gandhi Grameen Vidyutikaran Yojana

- 1.1 The Government of India, in April 2005, launched the RGGVY scheme for attainment of the National Common Minimum Programme (NCMP) goal of providing access of electricity to all households in five years. The aim was to electrify over one lakh villages and release of electricity connections to 2.34 Crore rural households. The approval was given at that time for capital subsidy of Rs.5000 Crore for remaining two years of the X Plan period.

The Government, on 3rd January 2008 approved continuation of “Rajiv Gandhi Grameen Vidyutikaran Yojana” in the XI-Plan for attaining the goal of providing access to electricity to all households, electrification of about 1.15 lakh un-electrified villages and electricity connections to 2.34 Crore BPL households by 2009. The approval has been accorded for capital subsidy of Rs.28000 Crore during the Eleventh Plan period, at this stage. Rural Electrification Corporation (REC) is the nodal agency for the scheme.

Under the scheme, ninety per cent capital subsidy is provided towards overall cost of the projects under the scheme, excluding the amount of state or local taxes, which will be borne by the concerned State/ State Utility. 10% of the project cost is contributed by states through own resources/loan from financial institutions. For projects to be eligible for capital subsidy under the scheme, states have to make prior commitment for:

- a. Guarantee by State Government for a minimum daily supply of 6- 8 hours of electricity in the RGGVY network with the assurance of meeting any deficit in this context by supplying electricity at subsidized tariff as required under the Electricity Act, 2003.
- b. Deployment of franchisees for the management of rural distribution in projects financed under the scheme and to undertake steps necessary to operationalize the scheme.

1.2 **Scope of the Scheme**

Under the scheme, projects could be financed with capital subsidy for provision of:

a) **Rural Electricity Distribution Backbone (REDB):**

Provision of 33/11 KV (or 66/11 KV) sub-stations of adequate capacity and lines in blocks where these do not exist.

b) Creation of Village Electrification Infrastructure (VEI)

- i) Electrification of un-electrified villages.
- ii) Electrification of un-electrified habitations with a population of above 100.
- iii) Provision of distribution transformers of appropriate capacity in electrified villages / habitation(s).

c) Decentralized Distributed Generation (DDG) and Supply:

Decentralized distribution-cum-generation from conventional or renewable or non-conventional sources such as biomass, bio fuel, bio gas, mini hydro, geo thermal and solar etc. for villages where grid connectivity is either not feasible or not cost effective. The funding will be on the pattern of 90% subsidy from Government of India and 10% loan from REC or from own funds of the state /loan from financial institutions. The Monitoring Committee of RGGVY, while sanctioning DDG projects under RGGVY, shall coordinate with MNRE to avoid any overlap. The provision for subsidy requirement for DDG is Rs.540 Crore.

d) Rural Household Electrification of Below Poverty Line Households

- (i) BPL households will be provided free electricity connections. The rate of reimbursement for providing free connections to BPL households would be Rs.2200 per household, which was Rs. 1500 per connection in the X Plan.
- (ii) Households above poverty line would be paying for their connections at prescribed connection charges and no subsidy would be available for this purpose.
- (iii) Wherever SC/ST population exists amongst BPL households and subject to being eligible otherwise, they will be provided connection free of cost and a separate record will be kept for such connection.

1.3 Status of Implementation of RGGVY

- 27 states as shown in the Annexe I are participating in the programme. Priority has been given to states where electrification of villages and/or rural households is lower than the national average (Assam, Bihar, Jharkhand, Orissa, Rajasthan, Uttar Pradesh & West Bengal), border districts, North Eastern states, Himachal Pradesh & J&K.
- 235 projects were sanctioned for implementation under RGGVY during X Plan. The whole amount of capital subsidy of Rs.5000 Crore was utilized. These 235 projects cover 67,012 un-electrified villages, 1.1 lakh electrified villages and free electricity connections to 83 lakh BPL households at the sanctioned cost of Rs.9,722 Crore.

- 554 projects including the above 235 were proposed to be taken up in first two years of XI-Plan. So far 551 projects have been sanctioned at an estimated cost of Rs. 25,075 Crore with proposed electrification of 1.15 lakh un-electrified villages, intensive electrification of 3.34 lakh electrified villages and free electricity connections to 2.4 Crore BPL households.
- The cumulative achievements as on 31.03.08 are electrification of 47,826 un-electrified villages, intensive electrification of 40,838 electrified villages and release of electricity connections to 22.93 lakh BPL households.
- As on 31.03.08, the cumulative release of subsidy was Rs.8413.45 Crore.

1.4 Three-tier quality monitoring mechanism

In order to ensure proper Quality of materials as well as installations in RGGVY, three-tier Quality Control Monitoring Mechanism has been evolved. A Quality Control Manual (QCM) has been prepared after consulting various implementing agencies. The basic framework of the three-tier QCM is stipulated below:

(i) TIER-I

The Project implementing agency (PIA) shall be responsible for first tier quality control. PIA shall designate a senior level officer as Project Implementing Agency's Quality Control Coordinator (PQCC). PIA shall prepare a detailed Quality Assurance Program, which should ensure quality checks as below:

a) TURNKEY CONTRACTOR

- ❖ Inspections of all material as per MQP/Drawings/Technical Specifications
- ❖ All villages to be inspected as per FQP
- ❖ All 33/11 kV sub stations for quality of material as per MQP/Drawings/Technical Specifications and works in the field as per FQP.
- ❖ 100% verification of BPL connections.

b) PROJECT IMPLEMENTING AGENCY

- ❖ Inspections of material as stipulated in Material Quality Plan (MQP) for all materials/equipments. For other items, inspections/testing/ witnessing of acceptance tests shall be as per Drawings/Technical Specifications.
- ❖ All villages to be inspected as per Field Quality Plan (FQP).
- ❖ All 33/11 kV sub stations for quality of material as per MQP/Drawings/Technical Specifications and works in the field as per FQP.
- ❖ 100% verification of BPL connections.

c) THIRD PARTY INSPECTION AGENCY of PIA (TPIA)

- ❖ 10% randomly selected inspections as per MQP for Distribution transformers, conductors, energy meters, poles and insulators at pre-shipment stage at vendors' works/testing labs.

- ❖ 50 % Villages on random sampling basis including 100% verification of BPL connections in 10% of 50% of villages inspected i.e. 5% villages and in each of the remaining villages inspected i.e. 45% villages, at least 5 BPL connections shall be verified randomly selected from the list of connections provided till the date of inspection.
- ❖ 33/11 kV sub stations for quality of works in the field on random sampling basis
 - 100 % new sub stations
 - 50 % augmentation of sub stations

The responsibility and methodology of first-tier Quality Control is detailed in Quality Control Manual.

(ii) **Second Tier**

Rural Electrification Corporation (REC) shall be responsible for second tier Quality Control Mechanism. REC shall designate a dedicated senior level officer as REC Quality Control Coordinator (RQCC) to coordinate and oversee the implementation of Quality Control Manual for RGGVY works.

For Second Tier Quality Control, REC shall appoint REC Quality Monitors (RQM) for RGGVY projects. The second tier Quality control shall ensure quality checks as below:

1. At least one inspection of major material like poles, transformers, Conductors and energy meters at pre-shipment stage at vendors' works on random sampling basis as per MQP.
2. 10 % villages on random sampling basis as per FQP.
3. 33/11 kV sub stations for quality of works in the field covering :
 - At least one new sub station.
 - At least one augmentation of sub station.
4. 100% verification of BPL connections in 25% of 10% villages inspected and at least 5 randomly selected BPL connections in other inspected villages i.e 75% of 10% villages.
5. VIP references/complaints referred by REC relating to quality of works.

The responsibility and methodology of second tier Quality Control is detailed in Quality Control Manual.

(iii) **Third Tier**

For carrying out quality control checks under third tier, Ministry of Power will engage independent evaluators, who will be designated as National Quality Monitors (NQM). Third tier quality control shall ensure quality checks as below:

1. 1 % Villages on random sampling basis in each project as per FQP
2. 33/11 kV sub stations for quality of works in the field covering :
 - At least one new sub station
 - At least one augmentation of sub station
3. 100% BPL service connection verification in 50% of villages inspected i.e. 0.5 % villages and in the remaining 0.5% villages at least 5 BPL connections shall be verified on randomly selected basis from the list of connections provided till the date of inspection.
4. Review of test records for major material like transformers, poles, energy meters, insulators and conductors etc. on random sampling basis.
5. Any other study of RGGVY or verification assigned by MOP on case to case basis.

The responsibility and methodology of third tier Quality Control is detailed in Quality Control Manual, which is available at websites recindia.nic.in and rggvv.gov.in

2.0 Engagements of National Quality Monitors (NQMs)

2.1 Ministry of Power intends to engage reputed agencies for monitoring the quality of various RGGVY projects sanctioned for implementation in various states during the XI Plan. The NQMs will be responsible for the third tier of the Quality Control Mechanism as mentioned above. Ministry intends to appoint agencies for carrying out quality inspections of the RGGVY projects sanctioned during the XI Plan on its behalf. Ministry envisages appointing separate agency for each region. However, more than one agency may be appointed in one region. An agency, which has been appointed as quality monitor for tier I or tier II inspection by the project Implementing Agency (PIA) or by REC will not be considered for National Quality Monitor (tier III) in that state. Project Implementing Agency or Turnkey Contractors engaged in RGGVY works in any state shall not be considered for NQM. The interested agencies may indicate the names of regions/states, where they would like to work. However, the actual allocations of states/region will be decided by the Ministry.

2.2 SCOPE OF WORK : Physical inspection of equipments/ materials and works for ensuring proper quality and quantity as per the Detailed Project Reports (DPRs), specifications and drawings/ maps in-

- a) 1 % Villages on random sampling basis in each project as per Field Quality Plan (FQP);
- b) 33/11 kV sub stations covering :
 - At least one new sub station
 - At least one augmentation of sub station

- c) 100% BPL service connection verification in 50% of villages inspected i.e. 0.5 % villages and in the remaining 0.5% villages at least 5 BPL connections shall be verified on randomly selected from the list of connections provided till the date of inspection;
- d) Checking of Bill of Quantities as per the approved drawings/maps etc in the inspected villages.
- e) Review of test records for major materials like transformers, poles and conductors etc. on random sampling basis;
- f) Random checking of electrification of villages named in the DPRs (existence of the village/ habitation, duplication of the villages/habitation, status of village electrification prior to start of the work
- g) Submission of periodic reports of inspections;
- h) Any other inspection/ verification of RGGVY project/work assigned by MOP. This work may be assigned from time to time on the man-day basis. For this purpose separate man-day rates (inclusive of charges for tours & travels) have to be quoted in the price bid separately.

2.2.1 The NQMs will take up the inspection of the project as and when instructed by the Ministry of Power. Normally, inspection by NQMs will be carried out after completion of 50% of total work in a particular project. In normal circumstances, one visit per project has been envisaged.

2.2.2 Inspection calls- The officer-in-charge of MOP shall raise inspections calls for inspection of village/sub station through email or fax or letter. The contractor shall attend the said inspection call within a period of 7 days from the date of receipt of the inspection call. In the event of Inspecting Agency/Contractor failing to complete the inspection within 7days, the following damages shall be applicable:

- a) The inspection call is attended from 8th to 14th day from the receipt of inspection call, Rs. 2000/- for the each delayed visit shall be deducted from the bills.
- b) In case the inspection call is attended after 14th day from the date of receipt of inspection, Rs. 4000/- for the each delayed visit shall be deducted from the bills.

2.2.3 Wherever works carried out are found unsatisfactory by the NQM, compliance with respect to rectification shall be submitted by PIA to NQM duly verified/endorsed by TPIA and the same may be re-inspected by NQM, if required depending on the nature and quantum of the defect. The payment for subsequent visits will be made on the basis of man-day rates to be quoted in the price bid.

2.2.4 The scope of work to be performed by the NQMs under the contract shall not include inspections at manufacturers' works. However, NQMs will be required to check the equipments/ materials at site as per the FQP in the inspected villages/

substations. NQMs will also test check the quantities of equipments/ length of the HT and LT lines and electricity connections to BPL families as per the approved drawings, maps, bill of quantities etc. in the inspected villages.

2.2.5 All necessary instruments, tools & tackles and manpower required for the above checks will be arranged and provided by the project implementing agencies. However, the transport arrangements for reaching the site(s), boarding and lodging will have to be made by the NQMs themselves.

3.0 SECURITY DEPOSIT:

For the Successful bidder the bid guarantee (incase BG is submitted) shall be released upon acceptance of the Letter of Award and upon submission of the Security Deposit in the form of DD. In case the bid guarantee is submitted in the form of DD and is equivalent to the 2% of the Award value the same shall be converted as Security Deposit. If there is any gap between 2% of award value and Bid Guarantee submitted in the form of DD the same shall be deposited by the contractor, in case of excess, MOP/REC shall return the excess amount over and above the 2% value. The security deposit shall be submitted by the Contractor within 30 days from placement of the LOA. In the event of failure to comply this, Ministry shall hold the equivalent amount from the first payment that falls due for payment to the Contractor.

4.0 RELEASE OF SECURITY DEPOSIT:

The security deposit submitted by the successful bidder shall be returned within 30 days upon completion of Scope of work, submission of the Final Report and acceptance of the same by the Ministry.

5.0 TERMS OF PAYMENT:

Progressive payments shall be released upon completion of visits to village/ substation as follows.

- i) 20% advance payment along with service tax on acceptance of offer;
- ii) Balance 80% payment (project wise) along with the service tax on submission of final report of inspection of villages and acceptance by the Ministry; No separate payment shall be made for substation visits.
- iii) In the event of actual number of villages sanctioned in the project getting modified due to the site conditions during the actual execution, the sanctioned cost of the project also shall be adjusted and accordingly the contract price shall be modified proportionately.

6.0 WORK SCHEDULE:

- 6.1 Majority of the projects to be taken up during the Phase I of the XI Plan have been sanctioned. Some more projects are expected to be sanctioned shortly. Inspection work for such projects will be assigned to the agency appointed for the inspection work in nearby district/state. All the sanctioned projects are expected to be awarded by the implementing agencies by June/ July 2008. The schedule of completion of works by the Supply & Erection contractor (turnkey contractor) of these projects is 18 months from the date of award. The Inspections by NQMs are expected to start after around one year of placement of award of the project by implementing agency to the turnkey contractor. The actual schedule of the visit by designated NQM for a particular project will be intimated by the Ministry (or its nodal agency) during execution of these projects.
- 6.2 In the event of site works by the main contractor getting delayed beyond 18 months, the inspection services shall be extended for 6 months without any extra cost to MOP up to 24 months from the date of award of this Inspection Services Contract. For the services beyond 24 months period, payment terms shall be mutually decided subsequently, if required.

7.0 PENALTY FOR NON-COMPLIANCE, REMEDIES FOR NON- PERFORMANCE AND FRAUDULENT PRACTICES:

- 7.1 Non- compliance to the inspection calls or any or all acts that hamper the quality assurance of execution of works as per the defined quality plans shall be treated as non-performance. Ministry reserves the right to terminate the contract in case of repeated non-performance by the inspecting agency. The Ministry shall have discretion to judge the non-performance and act accordingly.
- 7.2 For reasons which may include unsatisfactory performance of the Services, false reporting during the currency of the contract, or the inspecting agency resorting to unacceptable or unlawful and fraudulent practices during execution of the contract, or for any other reason whatsoever, Ministry may at its discretion terminate the Contract and/ or forbid the contractor from participating in any future bidding process for a specified period of time. A fifteen days prior written notice shall be served to the agency for termination. In such case The balance works shall be got executed at the risk and cost of the contractor.

8.0 INTEGRITY OF QUALITY MONITORS:

The personnel engaged by the Contractor for the Quality Monitoring works on behalf of Ministry are required to submit the factual status with an unbiased report of site works and material quality. It shall be the responsibility of the inspecting agency to ensure that the personnel of highest integrity level are engaged for quality monitoring works. In this regard, the inspecting agency shall furnish an undertaking to the Ministry, that personnel engaged do not have any pending vigilance cases or already proven corrupt charges against them in their past career & that there is no doubt on their integrity.

The inspecting agency shall obtain necessary affidavit from the personnel engaged, about their integrity/vigilance history/ background.

9.0 QUANTITY VARIATION

- 9.1 Ministry reserves the right to increase or decrease the quantity of works and services up to 25% (Twenty Five Percent) value of the total contract price, without any change in Unit Prices or other terms and conditions. Suitable Amendment/ Communications shall be issued in the event of variation in the quantities. This variation can also be exercised in projects falling in States other than the allocated State with mutual consent but at the same unit prices.

Though the quantities and rates of man-days will be considered for deciding the price of the contract, but they will not form a part of the contract price. For the purpose of Quantity variation

10.0 USE OF CONTRACT DOCUMENTS AND OTHER INFORMATION:

The agency shall not, without Ministry's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of Ministry in connection therewith, to any person other than a person employed by the agency in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for the purpose of such performance.

- 10.1 The agency shall not, without Ministry's prior written consent, make use of any document or information enumerated in various Contract documents except for the purpose of performing the Contract.
- 10.2 Agency shall keep confidential and shall not, without the consent of Ministry, divulge or part off to any third party any documents, data or other information in connection with this assignment except where such information are of public domain or required under the statute or Law.

11.0 Settlement of Disputes and Arbitration:

Except where otherwise provided in the Contract, all the questions and disputes relating to the meaning and instructions under this contract herein before mentioned and as to the quality of work as to any other question, claim, right, matter or thing whatsoever is any way arising out of or relating to the Contract or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitrator-Secretary (Power), in line with the provisions of Arbitration and Conciliation Act 1996. The award of the sole Arbitrator shall be final, conclusive and binding on both the parties. Notwithstanding anything any dispute between the parties, the contractor shall not be entitled to withhold, delay or defer his obligations under the

contract and same shall be carried out strictly in accordance with the terms and conditions of contract. The Venue of arbitration shall be New Delhi.

12.0 LAWS & JURISDICTION OF CONTRACT:

The laws applicable to the Contract shall be the laws in force in India. The courts of New Delhi shall have exclusive jurisdiction in all matters arising under the contract.

13.0 STATUOTY REQUIREMENTS:

- a) The contractor is liable to extend the benefits as provided under the employee ESI Act, Payment of Wages Act, Payment of Bonus Act, Contract Labour (Regulation & Abolition Act), Minimum Wages Act, Motor & Transport Act, Workmen Compensation Act and any other relevant Acts applicable to the establishment. The rates to be quoted shall be inclusive of meeting all such statutory obligations.
- b) The contractor shall also take group insurance for the personnel engaged by him. The rates quoted shall be inclusive of meeting all such statutory obligations and Group Insurance payments.

14.0 CONTRACTOR'S DEFAULT:

In the event the bidder withdraws or alters his bid within the bid validity period or fails to honor the letter of Award in the event of decision of the tender in their favour, than the Bid Guarantee submitted shall be forfeited. Further if the contractor fails to execute the contract in the event of placement of award in their favour, then the contract shall be terminated by REC forfeiting the Bid Guarantee submitted by the contractor. In the event the Employer (REC) terminates the contract due to contractor's default, the contractor will be liable to pay to REC for any additional costs incurred for procuring such similar services for the work got done from other agencies.

15.0 FORCE MAJURE

- 15.1 Force majeure is herein defined as any cause which is beyond the control of the Contractor or REC as the case may be, which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affects the performance of the Contract, such as:
- a. Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics;
 - b. Acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, guarantees and embargoes.

Provided either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such causes, along with proof of such occurrences.

15.2 The Contractor or MOP/REC shall not be liable for delays in performing its obligations resulting from any force majeure cause as referred to and/or defined above. The date of completion will, subject to hereinafter provided, be extended by a reasonable time at the sole discretion of REC.

16.0 SUSPENSION OR DELETION OF WORK:

REC reserves the right to suspend or delete the work included in the scope of this contract at any time during the contract period and the decision of the Officer-in-Charge of REC shall be final and binding on you. The payment shall be made on pro-rata basis for the work actually done and approved by the Officer -in-Charge.

17.0 CONTRACTOR'S SITE OFFICE, ESTABLISHMENT AND SAFETY

The Contractor shall establish a Site Office and keep posted an authorized representative for the purpose of the Contract. Any written order or instruction or e-mail of the MOP/REC Officer or his duly authorised representative, shall be communicated to the said authorised resident representative of the Contractor and the same shall be deemed to have been communicated to the Contractor at his legal address. The contractor shall provide suitable communication facilities (mobile phones etc.) to all his engineers. In order to meet extensive travel needs, the contractor shall ensure vehicles to all his engineers for effective working. The vehicles engaged by the contractor shall be covered under comprehensive insurance. The contractor shall provide the necessary safety gadgets (like electrical safety shoes, gloves, helmets, belts etc. as per requirement) to the staff engaged by him for inspection services.

18.0 MAN-POWER REPORT

18.1 The Contractor shall also submit to the Officer-in-charge, on the first day of every quarter, a manpower report of the previous quarter detailing the number of persons scheduled to have been employed and actually employed, skill-wise and the areas of employment of such manpower.

19.0 COORDINATION WITH CONTRACTORS OF IMPLEMENTING AGENCIES.

The Contractor shall agree to co-ordinate with the Contractors of the Implementing agencies, who are primarily responsible for execution of the works.

20.0 MANNER OF EXECUTION OF CONTRACT

20.1 MOP/REC, after the issue of the Letter of Award to the Contractor, will send one copy of the final agreement to the Contractor for his scrutiny and approval. Proforma of agreement is enclosed at Annexure -B.

20.2 The Agreement, unless otherwise agreed to, shall be signed within 15 days of the acceptance of the Letter of Award, at the office of MOP/REC on a date and time

to be mutually agreed. The Contractor shall provide for signing of the Contract, appropriate power of attorney and other requisite materials. In case the Contract is to be signed beyond the stipulated time, the Bid Guarantee submitted with the Proposal will have to be extended accordingly.

- 1.3 The Agreement will be signed for awards of value more than Rs. 10 lakhs in four originals and the Contractor shall be provided with one signed original and the rest will be retained by MOP/REC.
- 1.4 For the awards of value less than Rs. 10 Lakhs the LOA signed by the authorized signatories of both REC and Contractor will be treated as an agreement.

21.0 ENFORCEMENT OF TERMS

- 21.1 The failure of either party to enforce at any time any of the provisions of this Contract or any rights in respect thereto or to exercise any option therein provided, shall in no way be construed to be a waiver of such provisions, rights or options or in anyway to affect the validity of the Contract. The exercise by either party of any of its rights herein shall not preclude or prejudice either party from exercising the same or any other right it may have under the Contract.

22.0 COMPLETION OF CONTRACT

- 22.1 Unless otherwise terminated under the provisions of any other relevant clauses, this Contract shall be deemed to have been completed on completion of the Scope of work and submission of all the reports and release of final payments.

Annexure-A to Volume-I

QUALIFYING REQUIREMENTS

1.0 QUALIFICATION OF THE BIDDER FOR EACH PACKAGE:

Qualification of Bidder will be based on meeting the minimum pass/fail criteria specified in cl. 1.1 below regarding the Bidder's technical experience and financial position as demonstrated by the Bidder's responses in the corresponding Bid Schedules. The bidder shall also be required to furnish the information specified in cl. 1.2 in their Bid.

Notwithstanding anything stated here in above, REC reserves the right to assess the capacity and capability of the bidder, should the circumstances warrant such assessment in an overall interest of REC. REC reserves the right to waive minor deviations if they do not materially affect the capability of the Bidder to perform the contract.

1.1 QUALIFICATION REQUIREMENTS

1.1.1 TECHNICAL QUALIFICATION REQUIREMENTS

- i) Bidders are expected to meet the following Qualification Criteria and shall furnish adequate form, statements and documentary evidence/certificates in proof of the same:
 - a) They should be a registered legal entity.
 - b) Bidder shall have adequately qualified and experienced engineers with capability of executing such type of assignments. The bidder shall have on its roles a graduate engineer with at least 15 years of post qualification experience and at least five graduate engineers with at least 5 years post qualification experience in the field of construction/supervision of construction/O&M or inspection of electric power distribution/transmission system Equipment/Material.
 - c) It is necessary that the bidder should be/have experience of :-
 - Consultancy work for supervision of execution of electric power distribution/ transmission projects
 - OR
 - Govt. owned Discoms/SEB's/Power Departments/ CPSUs having separate quality control divisions
 - OR
 - Indian Institute of Technology/National institute of technology/other Technical Research Institutions of National Repute.
 - OR

Reputed Organizations involved in Quality Control/ Inspection / testing of power distribution infrastructure / transmission infrastructure/ Equipment/Material. The details of Quality Control/ Inspection / testing works executed shall be submitted alongwith the bid including value of these works. Organisations, which have carried out these works as owners of the system and who have their separate Quality Control Division shall also be considered as qualified.

- d) The bidder shall submit experience certificates from the owners for the works completed by them in the past in support of the above requirements. The Bidder has to submit relevant documents to support the credentials, experience, turnover etc.

Utilities/CPSUs/Turnkey contractors engaged in implementation of RGGVY works shall not be considered for award of this work. Also agencies, who have been engaged as TPIA or RQM, shall not be engaged as National Quality monitors in the areas where they have been engaged as TPIA or RQM.

1.1.2 FINANCIAL QUALIFICATION REQUIREMENTS:

- i. Min. annual turnover of Rs.5 cr. in any of the last three years.
- ii. Min. cumulative turnover of Rs. 20 cr. in last three years.

The turnover shall be considered as on 31st March of the concerned financial year.

- 1.1.3** In order to encourage participation of independent organizations like Govt. Technical Educational Institutions (IITs, NITs etc.) & Govt. Bodies they shall stand pre-qualified and certain concessions are granted.

The concessions include allotment of a few districts in any State depending on the assessment of their capability by REC/MOP. These agencies are allowed to quote for a few Districts or a part of a State (minimum one district). In this regard, REC reserves the right to select few districts in any State and off-load the same from any State based package that is put for bidding. They shall not be required to submit bid guarantee along with the Bid.

- 1.1.4 Bidders may propose their associate (not more than one) at the time of bidding. In case an associate is proposed, the role of the associate shall be clearly defined in the bid & the bid shall be jointly signed by both, the main bidder & the associate. The main bidder shall necessarily be required to meet the Technical Qualification requirements. REC will consider the combined capability of both the main bidder and his associate, in evaluating the bids for Qualifying Requirements. "The Bidder can have different associates in different states, with the condition that the bidder can have only one associate per state. However, each association shall submit its bid separately along with separate bid guarantees for each bid.

1.2 The bidder shall furnish following documents/details with its bid:

- Documentary evidence/certificates as a proof of meeting the QR.
- The complete annual reports together with Audited statement of accounts of the firm company for last three years (separate), immediately preceding the date of submission of bid.

In case the bidder otherwise meets the financial qualifying requirements as per cl. 1.1.2, Annual reports for less than 3 years shall also be acceptable. For balance sheet of last year (i.e. for 2007-08), unaudited statement of accounts duly certified by Chartered Accountant shall be acceptable.

- 1.3 Bidders who do not meet the above criteria shall not be evaluated further in the bidding process. A Bidder shall be disqualified if it is determined by REC/MOP at any stage of bidding process that the Bidder has made misleading or false representation in the form, statements and attachments in the proof of the qualification requirements. The bidders shall also be disqualified if it fails to continue to satisfy the Qualifying Criteria during any stage of the evaluation process. Supplementary information or documentation regarding qualifications may be sought from the Bidders at any time and must be so provided within a reasonable time frame as stipulated by the Client.

1.4 LITIGATION HISTORY:

The bidder should provide detailed information on any litigation or arbitration arising out of contracts completed or under execution by it over the last five years. A consistent history of awards involving litigation against the Bidder may result in rejection of Bid.

ANNEXURE-B to Volume-I

PROFORMA OF 'AGREEMENT' (for single bidder only) (To be executed on non-judicial stamp paper)

This Agreement made this day of, two thousand between Ministry of Power having its Office at ----- (hereinafter referred to as the 'MOP' which expression shall include its administrators, successors, executors and permitted assigns) of the one part and M/s....., a company incorporated under the Companies Act, 1956 having its Registered Office at Institution/ Firm/ [hereinafter referred to as the 'Contractor' or "X" (name of the Contracting Co.) which expression shall include its administrators, successors, executors and permitted assigns] of the other part.

WHEREAS MOP desirous of Quality Monitoring associated with RGGVY invited bids for (briefly describe scope of work) against its Bid Specification No. .REC/MOP/NQM.....

AND WHEREAS "X" had participated in the above referred bidding vide their Proposal No. dated and awarded the Contract to "X" on terms and conditions of the documents referred to therein, which have been acknowledged by "X" resulting into a "Contract".

NOW THEREFORE THIS DEED WITNESSETH AS UNDER: -

1.0 Article

1.1 Award of Contract

----- has awarded the Contract to "X" for the work of..... on the terms and conditions contained in its Letter of Award No. dated and the documents referred to therein. The award has taken effect from aforesaid Letter of Award. The terms and expressions used in this Agreement shall have the same meaning as are assigned to them in the 'Contract Documents' referred to in the succeeding Article.

2.0 Contract Documents

2.1 The Contract shall be performed strictly as per the terms and conditions stipulated herein and in the following documents attached herewith (hereinafter referred to as "Contract Documents").

- i) REC's Bidding Documents in respect of Specification No. . REC/MOP/NQM issued vide its letter No. dated consisting of Invitation to Bid, BPS, Terms & Conditions of Contract, and all other Sections entitled

- including all amendments issued vide its letter(s) No. (s)
dated
- (Volume-I)
- ii) REC's Technical Specifications including Amendments issued vide its Letter No. dated
(Volume-II)
- iii) "X"s Proposal No. dated along with Bid Proposal Sheets, Data Requirements, payment terms and Work Schedules submitted by "X" entitled as "....." (Volume-III)
- iv) Agreed Minutes of the meeting held on between -----and "X".
(Volume-IV)
- v) REC's Letter of Award No. dated duly acknowledged by "X".
(Volume-V)
- vi) Contract Schedule (Volume-VI)

All the aforesaid Contract Documents shall form an integral part of this Agreement, in so far as the same or any part conform to the Bidding Documents (Vol. I & II) and what has been specifically agreed to by the MOP in its Letter of Award. Any matter inconsistent therewith, contrary or repugnant thereto or any deviations taken by the Contractor in its Proposal (Vol-III) but not agreed to specifically by the MOP in its Letter of Award shall be deemed to have been withdrawn by the Contractor. For the sake of brevity, this agreement alongwith its aforesaid Contract Documents shall be referred to as the 'Agreement'.

3.0 Conditions & Covenants

3.1 The scope of Contract, Consideration, Terms of Payment, Taxes wherever applicable, Insurance, Damages, Security Deposit and all other terms and conditions are contained in MOP's Letter of Award No..... dated..... read in conjunction with other aforesaid Contract documents. The Contract shall be duly performed by the Contractor strictly and faithfully in accordance with the terms of the Agreement.

3.2 The scope of work shall also include all activities which are not specifically mentioned in the Contract documents, but which are needed for successful, efficient, way of providing inspection services unless otherwise specifically excluded in the Specifications under 'Exclusions' or Letter of Award .

3.3 Time Schedule

3.3.1 Time is the essence of the Contract and schedules shall be strictly adhered to. 'X'

shall perform the work in accordance with the agreed schedule as given in Volume - V & VI of Contract documents [clause 2.1(v & vi) above].

3.4 Quality

3.4.1 The Contractor is responsible for the proper services as per the quality manual of the bidding documents.

3.5 It is further agreed by the Contractor that the Security Deposit shall in no way be construed to limit or restrict the MOP's right to recover the damages/compensation due to short-fall in services or under any other clause of the Agreement. The amount of damages/compensation shall be recoverable either by way of deductions from the Contract price, Security Deposit and/or otherwise.

The Security Deposit furnished by the Contractor is unconditional and the REC shall have the powers to forfeit it notwithstanding any dispute or difference between the MOP and the Contractor pending before any court tribunal, arbitrator or any other authority.

3.6 This Agreement constitutes full and complete understanding between the parties and terms of the presents. It shall supercede any prior correspondence, terms and conditions contained in the Agreement. Any modification of the Agreement shall be effected only by a written instrument signed by the authorised representative of both the parties.

4.0 SETTLEMENT OF DISPUTES

4.1 It is specifically agreed by and between the parties that all the differences or disputes arising out of the Agreement or touching the subject matter of the Agreement shall be decided by the process of Settlement & Arbitration as specified in Clause 15.0 of the Terms & Conditions of Contract and the provisions of the Indian Arbitration and Conciliation Act 1996 shall apply and Delhi Courts alone shall have exclusive jurisdiction over the same.

4.2 Notice of Default

Notice of default given by either party to the other party under Agreement shall be in writing and shall be deemed to have been duly and properly served upon the parties hereto if delivered against acknowledgment or by telex or by registered mail with acknowledgment due addressed to the signatories at the addresses mentioned herein above.

IN WITNESS WHEREOF, the parties through their duly authorised representatives have executed these presents (execution whereof has been approved by the

competent authorities of both the parties) on the day, month and year first above mentioned at New Delhi.

WITNESS:

- | | | |
|----|-------|--------------------------------------------|
| 1. | | (REC's signature)
(Printed Name) |
| 2. | | (Designation)
(Company's Stamp) |
| 1. | | (Contractor's signature)
(Printed Name) |
| 2. | | (Designation)
(Company's Stamp) |

VOLUME-IA

REGVY - Quality Monitoring on behalf of MOP.

BID PROPOSAL SHEETS
Specification Number: REC/MOP/NQM

VOL-IA

1. BID PROPOSAL SHEETS

Name of the work: Quality Inspection of RGGVY Projects under Tier III– National Quality Monitors

Bid submitted towards: Serving as National Quality Monitors in accordance with the scope of work and terms & conditions mentioned in the bid documents

Sl. No	Region/ State	Un-Electrified Vil-lages			Electrified Villages			Mandays			Total for State (Rs.)
		No. of Vil-lages	Unit Rate (Rs.)	Total Price (Rs.)	No. of Vil-lages	Unit Rate (Rs.)	Total (Rs.)	No.	Unit Rate (Rs.)	Total (Rs.)	
1	2	3	4	5=3x4	6	7	8=6x7	9	10	11=9x10	12=5+8+11
	Northern Re-gion										
1	Haryana	0			50			5			
2	Himachal Pr.	4			93			10			
3	J & K	9			46			5			
4	Punjab	0			119			10			
5	Rajasthan	24			181			10			
	Eastern Region										
6	Bihar	61			69			10			
7	Jharkhand	110			33			10			
8	Orissa	157			249			20			
9	West Bengal	3			249			10			
	NE Region										
10	Arunachal Pr.	21			17			5			
11	Assam	75			118			10			
12	Manipur	4			4			2			
13	Meghalaya	18			27			5			
14	Mizoram	5			6			2			

15	Nagaland	6			10			2			
16	Sikkim	1			2			2			
17	Tripura	3			7			2			
	Western Re- gion										
18	Chhattisgarh	5			100			10			
19	Gujarat	0			158			10			
20	Madhya Pradesh	17			225			10			
21	Maharashtra	1			364			20			
	Southern Re- gion										
22	Andhra Pr.	0			59			5			
23	Karnataka	4			66			5			
24	Tamilnadu	0			128			10			

* Unit rates shall include all expenses except statutory taxes. The amount of prevailing taxes at the time of submission of bid may be indicated separately. However, actual taxes & duties as applicable at the time of billing will be paid.

Signature of the Authorized Signatory

Place:

Name:

Date:

Designation:

Name & Address of the Bidder:

Note :

1. Copy of Power of attorney/ authorization letter for the authorized signatory shall be submitted along with the bid.
2. The bid shall be signed by the Associate also, wherever applicable.

2. TECHNICAL QUALIFICATION REQUIREMENTS

1. Name of the Registered entity

Describe the entity

(Provide Documentary evidence)

2. Manpower Available with the Bidder

(Provide in detail including their Qualification & experience)

Name	Qualification	Post qualification experience - years	Nature of experience

Detailed bio-data needs to be submitted alongwith the bid for the manpower to be considered in bid evaluation.

3. Nature of business & Activities – Provide details

4. Details of works completed/experience profile

S.No.	Name of the work	Scope & description of work completed successfully	During the period	Customer	Value of works completed

Letters of award & experience certificates from the owners need to be submitted alongwith the bid for the works more than 20 lakhs to be considered for bid evaluation.

5. Structure of Quality Control Division in the Bidders' company – Provide organization structure with details of executives engaged in Quality Control Division.

6. Whether already engaged as implementing agency/TPIA/RQM in any projects of RGGVY/or having any role to play in RGGVY projects in any state/district. Please specify and furnish the details.

Note: In case, associate is involved similar information shall be furnished for both main bidder as well as the associate.

Signature of Main Bidder

Signature of Associate
(wherever applicable)

3. FINANCIAL QUALIFICATION REQUIREMENTS

In case of single bidder

S.No.	Year	Annual Turnover
1.	2007-08	
2.	2006-07	
3.	2005-06	
4.	2004-05	
5.	2003-04	
	Cumulative	

In case Associate is involved

S.No.	Year	Annual Turnover of main Bidder Name of the Company	Annual Turnover of Associate Name of the Company	Combined Turnover
1.	2007-08			
2.	2006-07			
3.	2005-06			
4.	2004-05			
5.	2003-04			
	Cumulative			

Signature of Main Bidder

Signature of Associate
(wherever applicable)

4. SCHEDULE OF DEVIATIONS – COMMERCIAL

Name of the Work: **Quality Monitoring Services for RGGVY works.**

Name of the bidder:

Bid submitted towards: Serving as National Quality Monitors (3rd tier)

Name of the State for which Bid submitted:

To
Rural Electrification Corporation Limited
Core-4, SCOPE Complex,
Lodi Road, New Delhi – 110 003

All commercial deviations, we are proposing are mentioned hereunder. Apart from these deviations we do not have any other commercial deviations whatsoever for the said works.

S. No	Volume No	Clause No	Deviation proposed	Cost compensation for withdrawing the deviation

Additional sheets may be used as required.

We also understand that

1. Deviations mentioned without indicating the cost for withdrawing the same shall not be treated as deviations.
2. We shall comply with all the provisions of the bid documents.

*Signature of the Authorized Signatory

Place:

Name:

Date:

Designation:

Name of the Bidder:

Address of the Bidder:

Note :

1. Copy of Power of attorney/ authorization letter for the authorized signatory shall be submitted along with the bid.
2. The bid shall be signed by the Associate also, wherever applicable.

5. SCHEDULE OF DEVIATIONS- TECHNICAL

Name of the Work: **Quality Monitoring Services for RGGVY works.**

Name of the bidder:

Bid submitted towards: National Quality Monitors (3rd tier)

Name of the State for which Bid submitted:

To
Rural Electrification Corporation Limited
Core-4, SCOPE Complex,
Lodi Road, New Delhi – 110 003

All technical deviations, we are proposing are mentioned hereunder. Apart from these deviations we do not have any other technical deviations whatsoever for the said works.

S. No	Volume No	Clause No	Deviation proposed	Cost compensation for withdrawing the deviation

Additional sheets may be used as required.

We also understand that

1. Deviations mentioned without indicating the cost for withdrawing the same shall not be treated as deviations.
2. We shall comply with all the provisions of the bid documents.

*Signature of the Authorized Signatory

Place:

Name:

Date:

Designation:

Name of the bidder:

Address of the bidder:

(* Copy of Power of attorney/ authorization letter for the authorized signatory shall be submitted along with the bid)

6. ROLES & RESPONSIBILITIES OF MAIN CONTRACTOR & ASSOCIATE

Provide detailed responsibility chart for role & responsibilities of main bidder & associate.

Signature of Main Bidder

Signature of Associate
(wherever applicable)

7. METHODOLOGY SUGGESTED FOR EXECUTION OF THE WORKS FOR UNDERTAKING QUALITY MONITORING WORKS UNDER RGGVY

1. Quality Monitoring as: National Quality Monitors
2. Name of the state:
3. Number of Districts covered:
4. Number of villages covered:
5. Number of Site offices in the State proposed:
6. Number of Staff proposed to be deployed:
 - Head:
 - Senior Engineers:
 - Site Engineers:
 - a. Profile of the Head proposed:
Education Qualification proposed:
Prior Experience (no. of years):
 - a. Profile of the Senior engineer proposed:
Education Qualification proposed:
Prior Experience (no. of years):
 - b. Profile of the site engineer proposed:
Education Qualification proposed:
Prior Experience (no. of years):
7. Any special training proposed for site engineers:
8. Whether exclusive transport facilities provided to site engineers without depending on the erection contractor:
9. Checks and Balances proposed for ensuring the works as per the standards:

