

IRCON INTERNATIONAL LIMITED

(A Government of India Undertaking)

67, Abhay Nagar,

Rag Rang Colony,

Dhule - 424001

Dist. Dhule (Maharashtra)

Tel. No.: (02562) 234767

Fax No.: (02562) 235867

TENDER

FOR

**SIGNALISATION OF JUNCTION WORKS FOR
PIMPALGAON DHULE BOT ROAD PROJECTS**

Issued to:

NOT TRANSFERABLE

SEPTEMBER 2009

NOTICE INVITING TENDER

To.,

Sub: Rehabilitation and strengthening of existing 2-lane Road and widening of carriage way to 4 lane Divided -Dual carriage way configuration of Dhule to Pimpalgaon (Km.265 to Km.380) section of NH-3 – **Signalisation of Junction Works**

Dear Sir,

- 1.0** Jt. General Manager, Ircon International Limited (IRCON in abbreviation), 67, Abhay Nagar, Rag Rang Colony, Dhule - 424 001, Maharashtra invites sealed tenders in two packet system for the subject work on prescribed forms from bonafide firms / companies having requisite experience and financial capacity for the following works :

Sl. No.	Name of Work	Estimated Cost of Work (Rs.)	Earnest Money Deposit (Rs.)	Completion Period
1	Supply / installation / commissioning of Signal Lights complete in all respect as per requirement and specification	Rs.17.34 lacs	Rs.10,000/- (Ten Thousand)	2 months

Tendered(s) may please note that their offer will be evaluated as per the credentials / documents attached by the tenderer(s) along with the tender submitted to IRCON.

2.0 Eligibility Criteria

Eligibility of the applicants shall be assessed based on the "Essential Qualifying Criteria" and "Other Qualifying Criteria" as given in Annexure-I.

- 3.0 Tender documents can be obtained from 10.00 hours to 17.00 hours on all working days from 15.09.09 to 29.09.09 from office of Jt. General Manager, Ircon International Limited, 67, Abhay Nagar, Rag Rang Colony, Dhule - 424 2001, Maharashtra on payment of Rs.1000/- in cash or demand draft /Pay Order in favour of IRCON INTERNATIONAL LTD. towards the cost of the Tender Documents. The Tender Documents shall be sold only to the person authorized in writing by the firm

or company. The Tender documents can also be downloaded from IRCON's web site **www.ircon.org** and in such a case, the tender shall deposit the cost of tender documents in form of Demand Draft/Pay Order in favour of IRCON INTERNATIONAL LTD. along with submission of the Tender Document, failing which offers shall be considered invalid. Tenderer are advised not to make any corrections, additions or alterations in the downloaded Tender Documents. In case any corrections, additions or alterations in the downloaded tender documents or the document issued by IRCON are noticed, such offers for tenders shall not be considered and shall be summarily rejected.

Tendered(s) may please note that their offer will be evaluated as per the credentials / documents attached by the tenderer(s) along with the tender submitted to IRCON.

- 4.0 IRCON may issue addendum(s)/corrigendum(s) to the tender documents. In such a case, the addendums(s)/corrigendum(s) shall be issued and placed on IRCON's web site at least three days in advance of date fixed for opening of Tender. The tenderer who have downloaded the tender documents from web site must visit the web site to ensure that such addendums(s)/corrigendum(s) if any is also downloaded by them.

Such addendum(s)/corrigendum(s) (if any) shall also be submitted, duly stamped and signed, along with the submission of the tenders. Any tender submitted without addendum(s)/corrigendum(s) (if any) shall be summarily rejected.

- 5.0 The tender documents shall be submitted in two packets viz. **Packet -I** containing **Technical Bid** and **Packet II** containing **Financial Bid**. Detailed credentials as per requirement of eligibility criteria and all papers **except the Bill of Quantities** are to be submitted in **Technical Bid**. **Bill of Quantities** with rates duly filled in are to be submitted in **Financial Bid**.

(Any deletion / tampering with the tender papers shall be liable for rejection)

- 6.0 Completed tender documents for the work shall be sealed in envelope super-scribing with the name of the work and addressed to "**Jt. General Manager, Ircon International Limited, 67, Abhay Nagar, Rag Rang Colony, Dhule - 424 2001, Maharashtra**" and should be deposited in the tender box at IRCON's office at address given in Para 1.0 before **15.00** hours of **30.09.2009**. **Technical Bid** shall be opened at **15:30** hours on the same day in the presence of the tenderers or their authorised representatives intending to attend the opening. Tenders duly sealed in the prescribed manner as above can also be sent through Registered Post/Speed Post/Courier so as to reach in this office (**Jt. General Manager, Ircon International Limited, 67, Abhay Nagar, Rag Rang Colony, Dhule - 424 2001, Maharashtra**) not later than the time and date of opening of tenders. Any tender received later than the time and date of opening of tenders shall be rejected and returned to the tenderer(s) unopened. The **Financial Bid** shall be opened only after assessing suitability as per the technical bids by IRCON.

- 7.0 **Tender shall be submitted as per "Instructions to Tenderers" forming a part of the tender document.**

- 8.0 **IRCON reserves the right to cancel the tender before submission / before opening of tenders, postpone the tender submission / opening date and to accept / reject any or all tenders without assigning any reasons thereof.**

- 9.0 **Tenderers may note that they are liable to be disqualified at any time during / after tendering process in case any of the information furnished by them is found to be false/incorrect. The decision of IRCON in this regard shall be final and binding.**
- 10.0 The validity of the offer shall be 90 days after the date of opening of the tender.
- 11.0 The transfer of tender documents purchased by one intending tenderer to another tenderer is not admissible.

For & on behalf of
IRCON INTERNATIONAL LIMITED

Jt. General Manager
Pimpalgaon Dhule BOT Road Project

FORWARDING LETTER BY TENDERER (FORM OF BID)

FORWARDING LETTER BY TENDERER (FORM OF BID)

To
Ircon International Limited,
Plot No-C-4,,District Centre
Saket, New Delhi – 110017.

Dear Sir,

I/We, _____ (*Name and address of the tenderer*) have read the various terms and conditions of the tender documents attached here with duly signed by me/us and agree to abide by the same. I/We also agree to keep this tender open for acceptance for a period of 90 days from the date fixed for opening the same.

I/We hereby declare that we have visited the site of the work and have made ourselves fully conversant of the conditions therein and including the topography of area, soil strata at site of work, sources and availability of construction materials, rates of construction materials, water, electricity, all local taxes, royalties, octroi is etc., availability of local labour (both skilled and unskilled), relevant labour rates and labour laws, the existing road and approaches to the site of work, requirements for further service roads / approaches to be constructed by me / us, the availability and rates of private land etc. that may be required by me / us for various purposes, climatic conditions, law and order situation and availability of working days.

I/We have quoted our rates for various items in the Bill of Quantities taking into account all the above factors and We offer to do the work " _____ " (*Name of the work*) at the rates quoted in the attached Bill of Quantities and hereby bind ourselves to complete the work in all respects within time schedule depicted in tender documents from the date of issue of letter of acceptance of tender.

I / We also understand that until a formal Contract Agreement is executed, Letter of Acceptance along with all tender documents shall constitute a binding contract between me/us and IRCON International Limited.

Thanking you,

Yours Faithfully,

Signature _____ in capacity of _____ duly authorized to sign bids for and on behalf of: _____ (*In Block capital letters*)

Date this _____ day of _____ 2008

DATE:

SIGNATURE OF TENDERER

INSTRUCTIONS TO TENDERERS

INSTRUCTIONS TO TENDERERS

A **1**

General

Ircon International Limited (A Govt. of India Undertaking) is executing work of Rehabilitation and Strengthening of existing 2 lane road and widening to 4 lane divided dual carriageway configuration of Dhule to Pimpalgaon (Km265 to Km380) section of NH-3 for National Highway Authority of India on BOT basis by a Joint Venture of IRCON SOMA TOLLWAY PRIVATE LIMITED (ISTPL). IRCON has been appointed as EPC Contractor by ISTPL.

1.1 Name of Work :

Supply, installation & commissioning of Signal Lights complete in all respect as per requirement and specification

1.2 Brief Scope of Work

The work involves supply, installation & commissioning of an efficient and functional signal system as per Bill Of Quantities and to be provided at Ch.101+075 (Four Arm junction) & Ch.103+500 (Three Arm junction).

1.2 Notwithstanding anything contained in this document elsewhere please note that no Joint venture firm is permitted to participate in this tender.

1.3 The proposed work to be executed under the following relationship.

- a) Client : National Highway Authority of India (NHAI)
- b) Independent Engineer (IE) / Independent Consultant (IC) : The consultant appointed by NHAI / MORT&H for acting on their behalf for execution of the project and review of the activities associated with design, construction and O&M of the project and ensuring Compliance of the requirement of Concession Agreement
- c) Concessionaire : IRCON SOMA TOLLWAY PRIVATE LIMITED (ISTPL)
- d) Employer: IRCON INTERNATIONAL LIMITED
- e) Contractor : The successful tenderer to whom the work awarded shall become the contractor for the execution of this work.

1.4 Throughout these bidding documents, the terms "bid" and "tender" and their derivatives ("bidder"/"tenderer"), "bid/tendered", "bidding"/"tendering", etc.) are synonymous. Day means calendar day. Singular also means plural.

1.5 Scope of Work /Supply : As indicated in 'Appendix to Tender'. The scope given above is only indicative. The detailed scope has been described in the tender documents.

- 1.6 Approximate Estimated cost of the work is as indicated in the 'Appendix to Tender.'
- 1.7 Tenderers may carefully note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. The decision of Employer in this respect shall be final and binding.
- 1.8 A bidder shall submit only one bid in the capacity of a Company. Violation of this condition is liable to disqualify the tender in which such bidder has participated.

2 Cost of Bidding

- 2.1 The bidder shall bear all costs associated with the preparation and submission of the bid and the Employer will in no case be responsible or liable for these costs regardless of the conduct or the outcome of the bidding process. The submission of the bid by the tenderer shall be taken to conform that the tenderer has made all the necessary examination and inquiries of all the relevant points.

The Bidding Documents

3 Content of bidding documents

- 3.1 The bid documents include the following:

Notice Inviting Tender
Instructions to tenderers
Appendix to Tender
Form of Bid
Special Conditions of Contract
General Conditions of Contract
(Will be made available on purchase basis after payment of Rs.500/-
Additional to IRCON)
Bill of Quantities

- 3.2 The bidder is expected to examine all instructions, terms, conditions, forms, specifications and other information in the bidding documents. **The tender is to be prepared strictly in compliance with instructions contained in these documents.** Failure to prepare the tender in compliance with the instructions may lead to rejection of the bid. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidders' risk and may result in rejection of his bid.
- 3.3 Intending tenderers requiring, any further information or clarification on the Tender documents may contact IRCON office, Dhule at the address and telephone number given on top sheet of the Tender on or before **29.09.2009.**

4 Understanding and Amendment of Tender Documents

- 4.1 The bidder must obtain for itself on its own responsibility and its own cost

all the information including risks, contingencies & other circumstances in execution of the work. It shall also carefully read and understand all its obligations & liabilities given in tender documents.

- 4.2 The bidder is advised to visit and examine the site where the work is to be executed and its surroundings or other areas as deemed fit by the bidder and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and execution of the contract. The cost of visiting the site and collecting relevant data shall be at the bidder's own expenses. It is a condition of the tender that the tenderer is deemed to have visited the site and satisfied himself with all the conditions prevailing including any difficulties for executing the work.
- 4.3 At any time prior to the deadline for submission of bids, Employer may for any reason whether at its own initiative or in response to any request by any prospective bidder amend the bidding documents by issuing Corrigendum, which shall be part of the Tender documents. The amendment shall be advised to all the prospective bidders.
- 4.4 Employer may at its discretion extend the deadline for submission of the bids at any time before the time of submission of the bids.

C. Preparation of the Bids

5 Language of Bid

- 5.1 The bid prepared by the bidder and all documents related to the bid shall be written in English.

6 Signing of All Bid papers and Completing Bill of Quantities

- 6.1 The successful tenderer has to execute the work including all cost of materials, tools and equipments etc. including all taxes, duties, levies etc. complete.
- 6.2 All the pages of the tender documents and Bill of Quantities submitted by tenderer shall be signed and stamped by the tenderer or his authorized representative holding the Power of Attorney.
- 6.3 While filling up the rates in the Bill of Quantities, tenderer shall ensure that there is no discrepancy in the rates mentioned in figures and words. In case of any discrepancy, the unit rate mentioned in the words shall be taken as final and binding.
- 6.4 The tenderer must fill and submit the prices as per instructions given in Bill of Quantities. He shall not make any addition or alteration in the tender documents. The requisite details should be filled in by the tenderer wherever required in the documents. Incomplete tender or tender not submitted as per instructions is liable to be rejected. If a tenderer does not quote a price/rate for any BOQ item, his tender shall be summarily rejected.

7 Deviations

- 7.1 The tenderer should clearly read and understand all the terms and conditions, specifications, drawings, etc. mentioned in the original tender

documents. If the tenderer has any observations, the same may be indicated in his forwarding letter along with the tender. Tenderers are advised not to make any corrections, additions or alterations in the original tender documents. If tenderer makes any correction in his own entries the same shall be initialed and stamped by him. If this condition is not complied with, tender is liable to be rejected.

8 Transfer of tender documents

Transfer of tender documents by one intending tenderer to another tenderer is not permissible.

9 Earnest Money:

9.1 The tenderer must furnish the Earnest Money as indicated in 'Appendix to Tender' for the work as specified failing which, the tender shall be summarily rejected. The Earnest Money may be in any of the following forms :

a) Pay Order/Demand Draft of any Scheduled Bank in India in favour of Ircon International Limited payable at a place as given in Appendix to Tender.

b) Fixed Deposit Receipt issued by any Scheduled Bank in India endorsed in favour of Ircon International Limited.

No interest shall be allowed on Earnest Money Deposit in case the same is deposited in the form of Pay Order/Demand Draft.

9.2 Forfeiture of Earnest Money :

9.2.1 The Earnest Money of the tenderer shall be forfeited if he withdraws his tender during the period of tender validity specified in the Appendix to Tender or extended validity period as agreed to in writing by the tenderer.

9.2.2 The Earnest Money of the successful tenderer is liable to be forfeited if he fails to –

i) Sign the Contract Agreement in accordance with the terms of the tender,

or

ii) Furnish Performance Guarantee in accordance with the terms of tender,

or

iii) Commence the work within the time period stipulated in the tender.

9.2.3 In case of forfeiture of EMD, the tenderer shall be debarred from bidding in case of re-invitation of the tenders.

9.3 Return of Earnest Money :

9.3.1 The Earnest Money of the unsuccessful tenderers shall be discharged and returned as promptly as possible.

9.3.2 The Earnest Money Deposit of the successful tenderer shall be dealt as under :-

i) If the Earnest Money Deposit is in the form of Fixed Deposit Receipt (FDR), the FDR shall be returned after deduction of an equivalent amount from the first on account bill and further deduction of retention money from the bills shall commence after adjusting this EMD amount.

ii) If the Earnest Money Deposit (EMD) is in the form of Demand Draft/Pay Order, the same shall be retained towards retention money and further deduction of retention money from the bills shall commence after adjusting this EMD amount.

10 Period of validity of the tender

10.1 The tender shall remain valid for the period indicated in "Appendix to Tender" after the date of the opening of the tender. If the Tenderer gives validity period less than that fixed/prescribed by Employer, the tender shall be liable to be rejected.

10.2 Notwithstanding the above clause, Employer may solicit the tenderers' consent to an extension of the validity period of the tender. The request and the response shall be made in writing or by cable / telex / fax. The tenderer may refuse the extension request. The tenderer accepting the extension request will not be permitted to modify the original bid.

D. Submission of Bids

11 Deadline for submission of tender

11.1 The tender duly filled must be received by Employer at the address specified not later than the date and time mentioned in the "Notice Inviting Tender".

11.2 A tender received later than the deadline prescribed for submission of tender by Employer is liable to be rejected.

11.3 Tenders brought to the office of Employer later than the deadline prescribed but before the opening time mentioned in the bidding document shall be declared as delayed tenders and may be considered by Employer and decided on its merits. The decision of the Employer shall be final and binding.

11.4 Any tender received after opening of the tender shall be rejected and returned unopened to the tenderer.

12 Withdrawal of tender

No tender can be withdrawn after submission and during tender validity period.

13 Submission of a tender by a tenderer implies that he had

read all the tender documents including amendments if any, visited the site and has made himself aware of the scope and specifications of the work to be done, local conditions and other factors having any bearing on the execution of the work.

14 Sealing and marking of tenders

14.1 The bidder shall submit their offer in "two packet (envelope) system" as described below :

- a) **Packet I** (envelope) shall contain the signed Technical Bid, Pre qualification documents (Annexure I), Documents as per checklist (Annexure II), Corrigendum(s)/Addendum(s) if any, EMD/Bid Security in form of Demand Draft/FDR in favour of IRCON and cost of Tender (as detailed in NIT). Packet I **should not** contain any price bid. Packet I should be super scribed "**Packet I, Technical Bid**".
- b) **Packet II** (envelope) shall contain the Bill of Quantities(Schedule of Rates and Quantities). Packet II should be super scribed "**Packet II, Financial Bid**".
- c) Both the above packets should then be placed together in an envelope and superscribed with NIT No. and "Not to be opened before" and submitted before the time and date to the address mentioned in NIT.

In addition to the above, the envelope shall also contain the name and address of the tenderer to enable tender to be returned unopened if so required.

E. Bid opening and Evaluation

15 Opening of the tender

15.1 Tenders will be opened at the address mentioned in "Notice Inviting Tender" in presence of tenderers or authorized representatives of tenderers who wish to attend the opening of tenders.

Only one representative of the tenderer shall be allowed to witness in the bid opening process.

15.2 Tenderers or their authorized representatives who are present shall sign register in evidence of their attendance.

15.3 Tenderer's name or any other details as Employer may consider appropriate will be announced and recorded at the time of bid opening.

16 Clarification of the tenders

16.1 To assist the examination, evaluation and comparison of the tenders, Employer may at his discretion ask the tenderers for any clarifications as considered essential. All such correspondence shall be in writing and no

change in price or substance of the tender shall be sought or permitted. The above clarification for submission of the details shall form part of the tender and shall be binding on tenderer.

17 Preliminary examination of bids

- 17.1 The Employer shall 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.
- 17.2 Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected.
- 17.3 Prior to the detailed evaluation, Employer shall determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionality or reservation. A material deviation, objections, conditionality or reservation is one;
- i) That affects in any substantial way the scope, quality or performance of the contract.
 - ii) That limits in any substantial way, inconsistent with the bidding documents, the Employers' rights or the successful Bidder's obligations under the contracts; or
 - iii) Whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.
- 17.4 If a bid is not substantially responsive, it shall be rejected by the Employer.
- 17.5 In case of tenders containing any conditions or deviations or reservations about contents of tender document, Employer may ask for withdrawal of such conditions/deviations/reservations. If the tenderer does not withdraw such conditions/deviations/ reservations, the tender shall be treated as non-responsive. Employer's decision regarding responsiveness or non-responsiveness of a tender shall be final and binding.

18 Evaluation and comparison of tenders

- 18.1 The tenderer must submit all necessary authentic data with necessary supporting certificates of the various items for evaluation.
- 18.2 The Employer reserves the right to reject any conditional offer, or the offer not responsive to the requirement. Tenderers who don't respond to the clarification asked by Employer within the scheduled time fixed by Employer are liable to be rejected.

- 18.3 IRCON shall assess the Technical Bid and supporting documents submitted by the bidders in a reasonable time to prepare a list of bidders meeting the essential qualifying criteria as mentioned in Annexure I. All the shortlisted bidders meeting the essential qualifying criteria shall be intimated regarding the time and date of opening of financial bid. IRCON shall not be responsible for any delay in intimation of the date and time of opening of Financial Bid and shall be opened as per schedule. The schedule of opening of Financial Bid of shortlisted bidders shall be intimated shortly.
- 18.4 The Employer/Engineer reserves the right to negotiate the offer submitted by the tenderer to withdraw certain conditions or to bring down the rates to a reasonable level. The tenderer must note that during negotiations of rates of items of BOQ can only be reduced and not increased by the tenderer. In case the tenderer introduces any new condition or increases rates of any item of BOQ, his negotiated offer is liable to be rejected and the original offer shall remain valid and binding on him.
- 18.4 **However, IRCON reserves the right to award the work in full or in part but rates will be valid even if part of the work is awarded to successful tenderer.**

19 Canvassing

- 19.1 No tenderer is permitted to canvass to Employer on any matter relating to this tender. Any tenderer found doing so may be disqualified and his bid may be rejected.

20 Right to accept any tender or reject all tenders

Employer/Engineer reserves the right to accept, split, divide, negotiate, cancel or reject any tender or to annul and reject all tenders at any time prior to the award of the contract without incurring any liability to the affected tenderers or any obligation to inform affected tenderer, the grounds of such action.

- 21 If the tenderer, as individual or as a partner of partnership firm, expires after the submission of his tender but before award of work, the Employer/Engineer shall deem such tender as invalid.**

22 Award of Contract

- 22.2 Letter of Acceptance after it is signed by the Contractor in token of his acceptance shall constitute a legal and binding contract between Employer/Engineer and the contractor till such time the contract agreement is signed.
- 22.3 For Signing of Contract Agreement on prescribed format in bond paper of value Rs.100/- to be furnished by supplier at supplier's cost.

A. Essential Qualifying Criteria

1. The contractor should possess the experience of having successfully completed similar works during the last 7 years (ending last day of the month previous to the one in which tenders are invited) which should be any one of the following:-
 - i) Three similar completed works each costing not less than the amount equal to 30% of the estimated cost.
 - ii) Two similar completed works each costing not less than the amount equal to 40% of the estimated cost.
 - iii) One similar completed work costing not less than the amount equal to 65% of the estimated cost.

Notes :

Work involving Signalisation of Junction of NH, SH, Municipal Corporation etc. shall be considered as similar work(s). A work shall mean the work executed under one contract.

2. The average annual financial turnover during the last 3 years(i.e. 2007-08,2006-07,2005-06)should be at least 30% of the estimated cost.

Notes :

The financial turnover shall be judged from ITCC or Annual Reports including Profit and Loss Account.

3. The Contractor should have its network not less than 10% of the estimated cost of the tender. This will be judged from the audited Balance Sheet of the last financial year ending on a date not prior to 18 months from the due date of submission of the tender.
4. There should not be any unsatisfactory performance Report of the Contractor from any source.

B. Other Qualifying Criteria

SN	Description	Maximum Marks
1	Registration of Company OR Partnership Deed OR Article of Association OR Registration under Labour Law OR Registration under Sales Tax Act.	10
2	Availability of skilled & trained manpower.	20
3	Availability of tools, Plant & machinery relevant to the work.	40
4	Availability of adequate testing, measuring and inspection equipment and facilities for calibration of the same.	5
5	Availability of safety appliances / equipment.	5
6	Availability of ISO-9001-2000 Certification.	10
7	Availability of banker's certificate	10
Total		100

The contractors should pass in all items of "Essential Qualifying Criteria" and should obtain minimum 60 marks out of the 100 of "Other Qualifying Criteria" to get shortlisted/technical qualification.

Tenderer(s) may please note that their offers will be evaluated as per the credentials/documents attached by the tenderer(s) along with the tender.

CHECK LIST FOR LIST OF DOCUMENTS TO BE ATTACHED WITH THE TENDER

1. Details of similar works completed in last seven years.
2. Annual Turnover for the last three years with supporting documents.
3. Registration of Company.
4. Partnership deed/Memorandum and Articles of Association of the firm.
5. Registration under Labour Laws.
6. Sales Tax/Works Contract Tax Registration Certificate, Service Tax Registration Certificate (as applicable).
7. Details of skilled and Trained Manpower including Engineers and Technical Staff
8. Details of Tools, Plants & machinery
9. Details of Testing, Measuring and Inspection Equipment and facilities for calibration owned.
10. Details of Safety Appliances and Equipment owned.
11. ISO 9001-2000 certificate (if any).
12. Banker's certificate.
13. Networth statement for the last financial year ending on a date not prior to 18 months from the due date of submission of the tender duly supported by Audited Balance Sheet.
14. Schedule for start and completion of works in the form of Bar Chart.
15. Earnest Money Deposit of requisite amount in the prescribed form.
16. Joint Venture Agreement (if any).
17. Original Power of Attorney of the person signing the tender documents or photocopy duly attested by Notary Public.
18. Details of on-going works.
19. Demand Draft/Pay order towards the cost of tender documents & EMD in case tender documents are downloaded from IRCON's web site.
20. Complete Tender documents including Form of bid, drawings etc. (Part-I) duly stamped and signed by the bidders on each page.

21. Financial/Commercial Bid (Part-II) with rates duly filled in, stamped and signed on each page by the bidders.
22. Corrigendum(s),if any, duly stamped and signed by the bidders on each page

APPENDIX TO TENDER

<u>DESCRIPTION</u>	<u>REFERENCE CLAUSE</u>
<p><u>Name of Work: -</u> Supply, installation & commissioning of Signal Lights complete in all respect as per requirement and specification :</p> <p><u>Brief Scope of Work : -</u></p> <ul style="list-style-type: none"> • Preparation and submission of technical/working drawings for providing an efficient, effective & functional signal system at junction based on the items provided in the Bill of Quantities. • Supply, installation & commissioning of the proposed signal system as per Bill Of Quantities • The work is to be executed at 2 no.s of junctions located at Ch.101+075 (Four Arm junction) & Ch.103+500 (Three Arm junction). • Payment shall be restricted to items mentioned in the BOQ only with variation in quantity permitted mentioned elsewhere in the contract. • Any item which are to be executed and necessary for commissioning of the signal system such as junction box (to receive power supply) with connectors, glands, termination, DP switch, cutout, earthing system & other accessories etc. are to be provided without any additional cost and are deemed to be included in the quoted rate. 	<p>1.1 of Instructions to Tenderers</p> <p>1.2 of Instructions to Tenderers</p>
<p><u>Approximate Estimated Cost of the Work: -</u></p> <p>Rs.17.34 lacs</p>	<p>1.6 of Instructions to Tenderers</p>
<p><u>Amount of Earnest Money and in case EMD is submitted in the form of Pay Order / Demand Draft, the same shall be payable at :</u></p> <p>Rs.10,000/- (Rupees Ten Thousand) in favour of IRCON INTERNATIONAL LIMITED and payable at Dhule, Maharashtra</p>	<p>9.1 of Instructions to Tenderers</p>
<p><u>Period of Validity of Tender: -</u></p> <p>90 days.</p>	<p>10.1 of Instructions to Tenderers</p>
<p><u>Period of Completion: -</u></p> <p>02 MONTHS</p>	<p>74.0 of Special Conditions of Contract</p>

DETAILS OF SIMILAR WORKS COMPLETED IN LAST SEVEN YEARS

S. No.	Description of the Work	Name and address of the Employer	Contract No. and date	Date of award of work	Stipulated date of completion	Date of actual completion	Value of completed work (In lacs of Rs)	Reasons for delays, if any	Penalty, if any, imposed for delay	Any other relevant information	Remarks
1											
2											
3											
4											
5											
6											

Note :

1 Please attach copies of the certificates issued by the Client.

2 Only those works shall be considered for evaluation for which copies of the certificates issued by the client are attached.

ANNUAL TURNOVERS FOR THE LAST THREE YEARS

S. No.	YEAR	Turnover from Civil Engineering works (In lacs of Rs)	Turnover from all sources (In lacs of Rs)	Remarks
1				
2				
3				

Note :

- 1 Please attach certified/attested copies of the latest ITCC and/or Profit and Loss Account statement to support the information furnished.

**DETAILS OF SKILLED AND TRAINED MANPOWER INCLUDING ELECTRICAL /
ELECTRONICS AND TECHNICAL STAFF PRESENTLY EMPLOYED**

S. No.	Name	Qualification	Designation	Total Experience (in years)	Remarks
1					
2					
3					

DETAILS OF ALL ON GOING WORKS (NOT NECESSARILY SIMILAR WORKS)

S. No.	Description of the Work	Name and address of the Employer	Contract No. and date	Date of award of work	Stipulated date of completion	Value of work as per order (In lacs of Rs)	Value of work completed so far (In lacs of Rs)	Anticipated date of completion of work	Any other relevant information	Remarks
1										
2										
3										
4										
5										
6										
7										
8										
9										

SPECIAL CONDITIONS OF CONTRACT

IRCON

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SIGNATURE OF TENDERER

SPECIAL CONDITIONS OF CONTRACT

PREFACE:

The Conditions of Contract shall be General Conditions of Contract (herein after called the General Conditions) as modified and added to by the following Special Conditions of the Contract, which shall be read and construed with the General Conditions as if they were incorporated therewith. A copy of IRCON's General Conditions of Contract is available in IRCON's office. Interested bidders may take the same by depositing Rs.500/- in cash or DD in favour of IRCON INTERNATIONAL LTD. & Payable at Dhule towards cost of GCC.

In so far as any of the conditions of Special Conditions of the Contract conflict or be inconsistent with any of the General Conditions, the Special Conditions shall prevail.

ORDER OF PROIORITY OF CONTRACT DOCUMENTS

Where there is any conflict between the various documents in the contract, the following order of priority shall be followed i.e. a document appearing earlier shall override the document appearing subsequently:

1. Agreement
2. Letter of Acceptance.
3. Addendum (s) / Corrigendum (s), if any
4. Notice Inviting Tender
5. Instruction to Tenderer
6. Appendix to Tender
7. Form of Bid
8. Special Conditions of the Contract
9. General Conditions of the Contract
10. Technical Specification
11. Drawings
12. Bill of Quantities

1.0 DEFINITIONS

Add the following terms and expressions used herein shall have the meaning as indicated below:

Contractor - Shall mean by any individual, partnership and H.U.F. firm, Company or Corporation whether incorporated or otherwise to whom this purchase order is addressed and shall include its successors and permitted assigns.

Engineer / Owner - Shall mean Ircon International Limited, Dhule incorporated in India under the companies Act 1956, having its registered office at Plot No. C-4, District Centre, Saket, New Delhi - 110 017 shall include its successors and assigns.

16.0 Commencement of Works

Add the following

- 16.1** The site for execution of works shall be made available as soon as the work is awarded. In case, it is not possible for the Engineer to make the entire site available due to occupation or any other reasons on award of the work, the Engineer gradually in parts shall make the land available. The Contractor shall have to arrange his work programme accordingly.

46.0 REMOVAL OF IMPROPER MATERIALS AND WORKS

Add the following

- 46.1** If on delivery at site, whether inspected and approved earlier or not, the material are not found in conformity with the specifications, the same shall be rejected by Engineer or his duly authorised representative and notify the same in writing to the contractor as expeditiously as possible to remove the plants from site.

49.0 DELAY AND EXTENSION OF CONTRACT PERIOD

Add the following

- 49.9** The site for execution of works shall be made available as soon as the work is awarded. In case, it is not possible for the Engineer to make the entire site available due to any reason, the land shall be made available by the Engineer gradually in parts. The Contractor shall have to adjust his work programme accordingly. No claim whatsoever for not giving the site on award of works and for giving the site in parts shall be tenable except for the purpose of extension of time, where justified.

61.0 MEASUREMENTS OF WORK AND PAYMENTS

Add the following

- 61.4** The billing shall be done for the works carried out at site and accepted by IRCON.

The following shall be the stages of payment :

- a) IRCON will release 80% of the total value of the certified works in each running bill upon completion of work and certification of IPC.
- b) 05% of the certified works shall be released after 1 (one) month of satisfactory completion, testing and commissioning of the signal system and upon certification and approval of the quality of illumination by the Competent Authority.
- c) 10% at the end of 6(six) months of successful commissioning of the system.
- d) 05% after certification of the end of Defect Liability Period including successful commissioning, rectification/replacement of defects, operation of the system.

61.5 On any ground whatsoever may be, no mobilisation advance payment is payable under this contract.

61.6 The rate quoted by successful tenderer and accepted by IRCON is inclusive of all the cost towards supply and installation of poles including the cost of foundation, supply and laying of cables including the cost of trenching, protection, testing, commissioning, octroi etc. etc.

64.0 MODE OF PAYMENT AND TAX DEDUCTION AT SOURCE

Add the following

64.3 In connection with the levy of taxes & duties, it is clarified that all rates quoted by contractor shall be inclusive of all taxes and duties and the like, leviable under the local / central sales tax act. IRCON shall have no liability on this account whatsoever. Further tax shall be deducted at source as per the Maharashtra trade tax act / Income tax act / Service Tax as per rates applicable.

The contractor may also mention VAT / CST / Local Sales Tax / Service Tax registration Number in the State. Actual percentage of Sales Tax (local or Central or both) of any description whatsoever applicable at the time of bidding shall be spelt out separately which is included in the price quoted. Statutory increase/decrease in the taxes/levies due to Government notification after the date of submission of bid shall be considered for reimbursement/recovery as may applicable on actual basis on production of Government notification by the bidder.

65.0 COMPLETION CERTIFICATE

65.3 Add the following

The successful bidder shall handover the completed works to Client/Employer/Engineer/Concessionaire as per the directives of the Engineer in Charge including all assets subject to satisfactory completion, testing and commissioning of the system. The handing over process shall documents containing list of all assets, fixtures etc. supplied and installed at site including warranties/guarantees of the manufacturers in the name of Client/Employer/Engineer/Concessionaire as per the directives of the Engineer in Charge. The detailed operation and maintenance schedule as well as the line diagram / layout of assets and fixtures will also be part of the documents to be submitted prior to issue of completion certificate. All the necessary details should be submitted in triplicate form in hard bound as well as soft copy.

73.0 PRICE ESCALATION

No price adjustment shall be applicable and the rates as per the accepted Bill of Quantities shall remain firm and hold good till the completion of works in all respect. No additional claim or amount shall be admissible on account of any fluctuations in market rates, increase in taxes, levies, fees, royalties etc.. However any statutory variation in and or fresh imposition of such levies / taxes relevant to this contract shall be reimbursed by the employer after submission of documentary evidence by the contractor and verification of the same by the Engineer.

74.0 COMPLETION SCHEDULE

The work is required to be completed within a period 02 months.

75.0 Defect Liability Period

The lighting system covered by this contract shall be maintained by the contractor for 12 (Twelve) months from the date of certification completion of the works free of cost under the defect liability period. The contractor shall be responsible for removing all defects of the assets during defect liability period and routine maintenance including replacement of defective parts etc. In case of failure of the contractor to do so within a fortnight from the date of defect notice given by Client/ Engineer, the same shall get rectified / replaced at the risk and cost of the contractor.

76.0 Drawing

The contractor has to provide and get approved from IRCON, the technical / working drawing of the proposed signal system prior to installation and commissioning of the system.

76.0 SIGNING OF CONTRACT

The successful tenderer shall sign the contract agreement, within 30 days after receipt of letter of acceptance from IRCON as per the format enclosed with the tender. The successful tenderer shall furnish non-judicial stamp paper of Rs.100/- for drawl of agreement.

77.0 ARRANGEMENT OF POWER SOURCE / APPROVAL OF STATUTORY BODIES

Power shall be made available near the junction. However the agency has to provide for the input point in the form of MS junction box, cables, glands, termination etc. at its own cost and no extra payment shall be done on this account. The agency has to carry out all the laissoining work including seeking approval of any statutory bodies if necessities arises for functioning and commissioning of the system.

No additional charges shall be payable on any account whatsoever except as mentioned in the BOQ and it is deemed that the rate quoted by the agency and accepted by IRCON is inclusive any/all expenses required till commissioning and certification of the system.

78.0 The successful bidder has to provide all the safety boards/fixtures including markers for the hidden/underground assets as per statutory laws and it is deemed that the rate quoted by the agency and accepted by IRCON is inclusive of any/all expenses.

TECHNICAL SPECIFICATIONS

The work has to be carried out as per relevant NHAI, IS, BIS, IRC, CPWD and other relevant codes & standards applicable during the currency of contract.

Technical Specification for Traffic signal system

A. SIGNAL LAMPS

Type	LED Array (Round, Pedestrian & Arrow)
Colour	Red / Amber / Green
Voltage	24 V DC
Power Consumption	15 W @ 24 V DC
Luminous intensity	Red 38 CD, Amber 78 CD, Green 77 CD (at 12.5° vertical and horizontal viewing angles)
Chromaticity	As per VTCSH Standard

B. CONTROLLER

Type	Programmable logic controller
No. of I/O	128
Supply Voltage	12 V to 28 V DC
Through times, peak times, on/off times	Programmable
Lamp switching	Solid state/Electromagnetic relays
Signals	AUTO / ON / OFF / BLINK
Communication	RS 232 / RS 422

C. MECHANICAL

Signal modules size	400 mm x 400 mm x 120 mm
Signal lamp size	8" / 12"
Material	Sheet steel dip coat primed & power coated. Optional hinged door
Protection category (Controller & Signal head)	IP 66 – Complies with NEMA 12
Signal head stacking Cabinet (Controller)	Modular with tilt & rotate feature 760 mm x 760 mm x 120 mm

- 1 **Signal Controller** : Controller should conform to IS:7537 for traffic signals complete with electronic timer, control board, blinker unit for night operation, peak hour arrangements, synchronizing. The unit shall be totally enclosed in 16 SWG metal box including making connection of KELTRON / SHAKTI or approved make.
- 2 **6m Pole** : M.S. Traffic post with outer dia 114.3 mm, medium class and conforming to IS : 1239 (P-1) suitable for mounting the signal head assembly with weather proof fibre cap and M.S. Base plate 300 mm x 300 mm x 6mm thick painting with red oxide on exposed surface and finishing with traffic yellow enamel paint in two coats complete as required .
- 4 **9m Pole** : MS pole suitable for mounting signal head assembly with M.S. Base plate of size 400 mm x 400 mm x 7mm including painting with red oxide paint on exposed surface and finishing two coats of traffic yellow enamel paint complete in all respect as required. The pole shall conform following specifications as per I.S. (1239 Part-1) Top, Middle & Bottom length of outer dia 88.9 mm, 114.3 mm, 139.7 mm respectively, thickness 4.05mm, 4.5 mm & 4.86 mm respectively. Over hang length 2.0 mtrs maximum by using 199 mm dia pipe for fixing signals
- 5 **Countdown Timer** : Programmable digital count down timer with 5 mm dia red color LEDs of high intensity (visible clearly at day time) of reputed make with digit size 150 mm x 300 mm appx. Quantity of LEDs be appx. 800 nos including inter connection with traffic signal controller and housing the LED assembly in sheet metal box of size appx. 750 mm x 550 mm with detachable pole arm clamps etc. as required
- 6 **Signal Lamp Head**: LED Matrices traffic light of modular size 300 mm dia. covered with front clear acrylic sheet and back with aluminum body. 5mm dia colored LEDs of Ultra bright, super intensity (visible clearly at day time up to a distance of 300 Meter @ viewing angle of 30 degree. The unit shall be suitable for working A.C. Supply (160-240 volts. and life cycle appx 10 years. with power consumption below 24 watts. suitable for fast switching (Makes- Vinay / Keltron / Shakti/ Bel or approved makes)
 - 6.1 Red/ Amber Round (Unit of 200-220 nos LED s)
 - 6.2 Green Arrow (Unit of 120-130 nos LED)
 - 6.3 Red/ Green (Unit of 75-80 LED S) -PEDESTRIAN
- 7 Power Supply box containing 1 no 16 amps SPN [In-coming will receive power by using cable / out going will be connected to controller.]
- 8 Earthing pit as per IS.

VARIOUS FORMS AND FORMATS

IRCON

33/42

SIGNATURE OF TENDERER

CONTENTS

1. Declaration
2. Statement of Deviation
3. Performa of Letter of undertaking (Form of Bid)

Note: Tenderers should submit all the requisite details in the above proforma.

DECLARATION

Ref:

Dated:

From: -

To,

The Joint General Manager,
IRCON INTERNATIONAL LTD.,
67, Abhay Nagar, Rag Rang Colony,
Dhule - 424001, Dist. Dhule (Maharashtra)
Tel. No.: (0262) 234767, Fax No.: (02562) 235867

Dear Sir,

This has reference to your above referred, tender. We declare that we are fully qualified to execute the above work. We further declare that we have brought out all our deviations to the conditions of contacts stipulated in your tender documents in the "Statement of Deviations" indicating therein the cost of withdrawing the conditions in case you require us to do so. We also declare that the maximum liability to you for such withdrawal will be limited to the amounts mentioned against each deviation separately.

It is understood that the deviations to the conditions of the tender documents as have been brought out in above referred Statement of Deviations are exhaustive.

We agree and declare that irrespective of whatever has been stated elsewhere in the tender documents only those deviations that have been specifically brought out in Statement of Deviations will hold good.

Thanking You,

Your Faithfully,

SIGNATURE,
NAME (IN CAPITAL)
DESIGNATION
DATE:
SEAL :

(To be duly stamped and signed and submitted with the tender.)

STATEMENT OF DEVIATION

To,	Tenderers' Name & Address
The Joint General Manager, IRCON INTERNATIONAL LTD.,	_____
67, Abhay Nagar, Rag Rang Colony, Dhule- 424001, Dist. Dhule	_____
(Maharashtra) Tel. No.: (0262) 234767, Fax No.: (02562) 235867	_____

Dear Sirs,

Irrespective of whatsoever has been stated to the contrary anywhere else in our offer, only following are the deviations and variations form and exception to the specifications and Tender documents for the above mentioned subject work. These deviations and variations are exhaustive. Except for those deviations the entire work shall be performed as per your specifications and tender documents. Further, we agree that additional conditions, if any found in our offer than those stated below, save that pertaining to any rebates offered,

Date and Postal Address_	Signature along with seal of CO.
_____	_____

_____	Duly authorized to sign the tender on behalf of
_____	the tenderer

Telegraphic Address: ____	Name:_____
_____	Designation _____
Telex No. _____	Name of Company _____
	(In Block Letter)
Telex No. _____	

PROFORMA OF LETTER OF UNDERTAKING (FORM OF BID)

(This Appendix forms part of the Tender. Tenderers are required to fill up all the blanks in the form of Tender and Appendix thereto)

To:

The Joint General Manager,
IRCON INTERNATIONAL LTD.,
67, Abhay Nagar, Rag Rang Colony,
Dhule - 424001, Dist. Dhule (Maharashtra)
Tel. No.: (0262) 234767, Fax No.: (02562) 235867

Description of Works: - **Signalisation of Junction Works**

Dear Sir,

1. Having examined the Tender documents including your letters of Instructions to Tenderer, General Terms & Conditions, Special Terms & Condition, Schedule of rates, including Specifications, and other Schedules and Annexure for the execution of the above named Works, we, the undersigned, offer therein in conformity with the said Tender Documents for the sum of Indian Rs. _____
(Rupees _____ or
such other sum as may be ascertained in accordance with the said Tender Documents.
2. We undertake, if our Tender is accepted, to commence the work within seven days of issue of purchase order, and to complete and deliver the whole of the works comprised in the Contract within the periods stated in the Appendix hereto.
3. If our Tender is accepted we will furnish a performance security in the form of bank guarantee to be jointly and severally bound on us, in accordance with the Conditions of Contract.
4. I / we undertake to keep our offer valid for the period of ninety (90) days from the date of Tender Opening, as prescribed in Clause 10.1 of the Instruction to Tenderers, I / we hereby further undertake that during the said period I / we shall not vary / alter or revoke my / our tender during the validity period of the tender.
5. Unless and until and Agreement is prepared and executed. This Tender, together with or written acceptance thereof, shall constitute a binding Contract between us, but without prejudice to your right to withdraw such acceptance under the provision of this tenderer.
6. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____ day of _____ 20 _____ Signature
_____ in the capacity
of _____ duly authorized ** to sign Tender for
and on behalf of

(in block capitals)

Address

Name of Witness _____

Signature of Witness _____

Encl: Appendix to Tender

** Signature along with seal of Company
(Duly authorized to sign the tender on
behalf of the tenderer)

Res. _____

Name _____

(Rs. _____)

Designation _____

(Amount in Fig.)

Name of Co.

in block letters

Date and Postal address.

Witness _____

Telegraph Address

Signature _____

Date _____

Telex No. _____

Fax No. _____

Telex No. _____

Strike out which ever is not applicable.

**Certified copy of Power of Attorney / authorization for signature shall be furnished by the Contractor, in accordance with instructions to Tenderers.

FINANCIAL BID

(PART II)

SCHEDULE OF RATES AND QUANTITIES

SCHEDULE-"A"

**IRCON INTERNATIONAL LIMITED
PIMPALGAON DHULE BOT ROAD PROJECT
SCHEDULE OF RATES AND QUANTITIES**

NAME OF WORK: **Signalisation of Junctions for Pimpalgaon Dhule BOT Road Project**

SL. No	DESCRIPTION	Unit	Qty	Rate	Amount
1.1	Supply of Microprocessor Based, vehicle actuated, road traffic signal controller housed in waterproof, dust proof doubled walled M.S. sheet cabinet incorporating following: Minimum 12 time plans and 8 phases with manual, co-ordination and blinker mode, minimum no. of 16 groups with 28 lines and built in programming facility. Programmable startup sequence with provision for communication system to enable control through the Area Traffic Control (ATC) etc. complete or as directed by engineer in charge	Nos.	2	91,715.00	183,430.00
1.2	Installation & commissioning of microprocessor based automatic Traffic Signal controller describe above including other accessories, making signal controller foundation upto 1000mm height above ground level on C.C 1:2:4 pedestal, earth connection to electrode earth stn. Etc. all complete or as directed by engineer in charge	Nos.	2	8,287.50	16,575.00
1.3	Supply 300mm. Dia. Polycarbonate LED based signal lamp heads assembly unit complete with visor, prismauve lenses with appropriate colour including installing accessories like flexible pipes, conducts, zinc passivated brackets,				

	frame work PVC insulated. etc. complete or as directed by engineer in charge				
(a)	Red	Nos	18	8,287.50	149,175.00
(b)	Amber	Nos	18	8,287.50	149,175.00
(c)	Green Arrow	Nos	42	7,182.50	301,665.00
(d)	Pedestrian Red (Standing Man)	Nos	14	7,182.50	100,555.00
(e)	Pedestrian Green (Walking man)	Nos	14	7,182.50	100,555.00
1.4	Supply and erection of 6 mtrs long traffic signal pole (6m) assembly complete as specified in 1:2:3 concrete foundation with golden yellow paint, local earthing etc. complete or as directed by engineer in charge	Nos	14	8,840.00	123,760.00
1.5	Supply and erection of 9 mtrs long traffic signal cantilever pole assembly complete as specified in 1:2:3 concrete foundation with Yellow paint, local earthing etc. complete or as directed by engineer in charge	Nos	4	22,100.00	88,400.00
1.6	Supply and laying of multicore armoured solid core copper conductor PVC insulated and sheathed cable of various size as per IS 1554 standard for power connection etc. complete or as directed by engineer in charge	M	1550	94.35	1,46,242.50

1.7	Excavation of trench 60cm wide and 0.75mtr deep for laying cable on side shoulder including spreading sand and providing bricks living for cable protection and refilling the trench, leveling, cleaning and making good the surface, clearing the site, etc. complete or as directed by engineer in charge	CU.M.	500	238.00	119,000.00
1.8	Supply and lay 50mm GI Pipe-B-Class etc. complete or as directed by engineer in charge	M	250	193.80	48,450.00
1.9	Supplying of Reverse Count Down Timer 3-1/2 digit display letter size 8" must be visible in day light from more than 300 mtrs and readable from 100 mtrs with in built smart sensor for time sensor, 3-Channel (For Red /Amber / Green). Complete unit with pole mounted type housing & clamps etc. complete or as directed by engineer in charge.	Nos	7	19,337.50	135,362.50
1.10	Supply and laying of 100mm. Dia double wall corrugated HDPE pipes, necessary socket, coupling etc. complete or as directed by engineer in charge.	M	150	475.15	71,272.50
Estimated Total Amount (Rs.)					1,733,617.50

I/We offer the rates *%
 (.....%age) above / at par
 / below (strikeout which is not applicable) on the rates printed in the
 Bill of Quantities.

* %age rates to be quoted in both figures and words.