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K O N K A N R A I L W A Y C O R P O R A T I O N L T D

(A G O V T O F I N D I A U N D E R T A K I N G)

XX

T E N D E R D O C U M E N T S

=====

Name of Work : Destressing of Neoprene Bearings of major bridges under SSE/Ratnagiri section.

Tender No : KR/RN/W/2012/85

Last date of receipt : 11.07.2012 upto 15.00 hrs.

Issued to (Name of Contractor : _____

Sr No of tender form : _____

No of pages : _____

Date of issue : _____

Signature of KRCL officier:-

Office of Regional Railway Manager
Konkan Railway Corporation Ltd.
MIDC Area, Mirzole
Ratnagiri

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Note :- 1) Tender document is not transferrable.
2) Tender document should be submitted without detaching any pages.

KONKAN RAILWAY CORPORATION LTD, RATNAGIRI.
NOTICE INVITING TENDER

To,

Sealed tenders are invited for the work cited as per the following details. Necessary tender documents may be obtained from this Office on any working day from 11.00 hrs.of 15.06.2012 upto 13.00 hrs. of 11.07.2012, on payment of tender form fee as mentioned by cross demand draft in favour of Konkan Railway Corporation Ltd., Ratnagiri payable at Ratnagiri. Tenders without EMD are liable for rejection. However, tenderers who have already deposited EMD with C.O./Belapur need not deposit EMD separately and shall only specify the details.

Name of Work : Destressing of Neoprene Bearings of major bridges under SSE/Ratnagiri section.

TENDER NO. : KR/RN/W/2012/85

ESTIMATED COST OF WORK : Rs.5,66,400/-

COMPLETION PERIOD : Three months(Including monsoon)

EARNEST MONEY DEPOSIT : Rs.11,500/-

LAST DATE AND TIME FOR DEPOSITING SEALED TENDERS IN THE TENDER BOX : 11.07.2012 upto 15.00 hrs.

PLACE OF DEPOSITING/OPENING OF TENDER : Office of the Regional Engineer,KRCL/Ratnagiri.

TIME AND DATE OF OPENING : 11.07.2012 at 15.30 hrs.

COST OF TENDER FORM : Rs.500/- (+) Rs.63/- (Sales Tax)

In case the SEMD paid by the contractor is less than the above mentioned Earnest Money deposit the contractor has to remit the total amount of EMD in form of DD in favour of Konkan Railway Corpn.Ltd., Ratnagiri from any Nationalised/Scheduled Banks.

Tender will be opened in the office of Regional Engineer, Konkan Railway Corporation Ltd., Ratnagiri in the presence of authorised representative of tenderer/contractor. In case the date of tender opening happens to be holiday, the tender will be opened on the next day at the same time and place.

Corporation reserves the right to accept/reject one or all tenders without assigning any reason.

NOTE: This tender notice is only for *eligible contractor registered with Konkan Railway Corporation Ltd.
(Eligibility - BR, Class - A,B,C & D)

(Tender notice as well as tender document are available on KRCL WEB site : www.konkanrailway.com)

Regional Engineer,
For Konkan Railway Corpn.Ltd.,
Ratnagiri

KONKAN RAILWAY CORPORATION LIMITED

TENDER FORM

To,

The Regional Engineer
Konkan Railway Corporation Ltd.
M.I.D.C. Mirjole,
Ratnagiri.

I/We -----have read the various conditions of tender attached hereby agree to abide by the said conditions. I/We also agree to keep is tender open for acceptance for a period of 90 days from the date fixed for opening the same. I/We after to do the works relating to tender No.KR/RN/W/-----dated -----for the work of -----
-----.

1. I/We hereby bind my self/outselves to complete the works within the time limits specified in the conditions of tender.
2. I/We also hereby agree to abide by the "Regulations for Tenders and contracts for works General Conditions of Contract,1991 and "Standard Special Conditions of Contract" of the Konkan Railway Corporation Limited as amended up to date and the Additional Special Conditions of Contract annexed to the tender and to carry out the works according to the specifications for materials and works laid down by the Corporation for the present contract.
3. I/We acknowledge that "Regulations for Tenders and contracts for works", "General Conditions of Contract" and "Standard Special Conditions of Contract" as issued by Konkan Railway Corporation will form part of the tenders/contract documents even though they are not attached to the same.
4. I/We hereby declare that I/We shall employ on monthly salaries experienced Civil Engineering graduates and/ or diploma holders in adequate numbers for each shift of working as indicated in tender document to the entire satisfaction of Engineer-in-Charge of works of the Corporation.
5. A sum of Rs.-----is hereby forwarded as Earnest Money Deposit in the form of cross demand draft drawn in favour of Konkan Railway Corporation Limited payable at Ratnagiri without prejudice in any other rights or remedies available to the Corporation the said full amount of EMD shall stands forfeited if.

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- a) I/We fail to keep the offer open for a period of 90 days (ninety only) days from the date fixed for opening of the tender or resile from my/our offer or modify the terms and conditions thereof in a manner not acceptable to the Konkan Railway Corporation Limited.

OR

- b) I/We do not execute the contract agreement documents within seven days after the receipt of acceptance letter/letters of interim issued by Corporation that such document are ready.

OR

- c) I/We do not commence the work within ten days after the receipt of orders to that effect.

6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute binding contract between us, subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

SIGNATURE OF TENDERER(S) /
CONTRACTOR(S)

DATE :

ADDRESS :

SEAL :

Signature of Witnesses :

Regional Railway Manager
Konkan Railway Corporation Ltd.
Ratnagiri

CORRECTION SLIP

CORRECTION SLIP TO CLAUSE 40.2 OF GENERAL CONDITIONS OF CONTRACT OF KRCL

VARIATIONS IN QUANTITIES

- 40.2(a) Unless otherwise specified in the Special Conditions of contract, the accepted variation in quantity for each individual item of the contract would be upto 25% of the quantity originally contracted, except in the case of foundation work. The contractor shall be bound to carry out the work at the agreed rates and shall not be entitled to any claim or any compensation whatsoever upto the limit of 25% variation in quantity of individual items of works.
- 40.2(b) In the case of earthwork the variation limit of 25% shall apply to the gross quantity of earth work and variation in the quantities of individual classifications of soil shall not be subject to this limit.
- 40.2(c) In the case of foundation work no variation in limit shall apply and the work shall be carried out by the contractor on agreed rates irrespective of any variation.
- 40.2(d) For the first 15% increase in the value beyond 25% of agreemental value, the rates should be reduced by 2% in the incremental value of the agreement.
- 40.2(e) For the next 10% increase in the value a further reduction in the rates by additional 2% in the incremental value of agreement to be carried out.
- 40.2(f) Execution of quantities beyond (+)50% of the overall agreemental value should not be permitted and if found necessary should be through fresh tenders or by negotiating fresh rates with existing contractor.

Signature of Contractor

Regional Engineer
Konkan Railway Corporation Ltd.
Ratnagiri

CERTIFICATE TO BE SUBMITTED BY CONTRACTOR FOR FINALISATION OF CONTRACT

- 1) It has to be ensured that the payments to the employed labour by the contractor are made by them as per the Workmen's compensation Act in case of injury or death.
- 2) While finalising the contract, contractor has to submit a certificate to the effect that all payments and compensation has been done to the family of the affected labour (injury/death).
- 3) An indemnity bond is also to be submitted by the contractor in case of any liability arising in future in respect of labour employed by them against the particular contract. The contractor will be responsible for the same and payment will be done by him. No claim whatever should be raised on KRCL account in this regard.

Singnature of contractor

Verified by :

Site incharge :

SEN/AEN :

SCHEDULE OF WORK

Name of Work : Destressing of Neoprene Bearings of major bridges under SSE/Ratnagiri section.

Name of Agency :

SN	ITEM DESCRIPTION	UNIT	RATE	QTY.	AMOUNT
01	Replacement of distressed/crushed Neoprene bearings including transportation of contractor's jacks, power packs and other accessories to various bridge sites and elastomeric pads issued by KRCL at Ratnagiri store, free of cost, to various work sites, including loading, unloading leading to the piers/abutments of the bridge, placing the jacks in position, arranging packing plates and plants, supporting the girder on packing plates, operation of power pack, jacks, lifting of girder with contractor's jacks, pumps, tools and other equipment complete and placing back on new bearing/destressed bearing as required, removal of packing plate, cleaning the abutment/pier caps and surroundings shifting the accessories and equipment to the next pier/abutment cap or to the next bridge site and continue similar work including contractor's jacks, tools and plants labour, materials, transport and consumables etc. as directed by the Engineer-in-Charge.	Each span end	20000.00	20.00	400000.00
	Note :				
	i) The contractor shall arrange his own jacks, tools and plants as specified in Annexure-I.				
	ii) The elastomeric bearing will be supplied by KRCL at Ratnagiri stores. Contractor will have to transport it by his own vehicle at their own cost.				
	iii) The work shall be carried out under traffic block under supervision of KRCL engineers.				
	GRAND TOTAL				400000.00

Contractor's percentage i.e. _____ at par/above/below

Grand total Rs. _____

I/We agree to carry out the work at _____% in words
(_____) at par/
Above/ Below the schedule rates.

Signature of Contractor

Regional Engineer
For and on behalf of
Konkan Railway Corporation Ltd.
Ratnagiri

ADDITIONAL SPECIAL CONDITIONS OF CONTRACT

- 01 SCOPE OF WORK : The works mainly involved are Destressing of Neoprene Bearings of major bridges under SSE/Ratnagiri section.
- The work mainly comprises of Replacement of distressed/crushed neoprene bearing pads by lifting the girder ends, allowing the bearings pads to regain their original shape and lowering the girder ends back on the bearing pads. The damaged elastomeric bearings to be replaced during this operation as directed by Engineer-in-Charge. The elastomeric bearing will be supplied by KRCL at Ratnagiri stores free of cost.
- 02 PERIOD OF COMPLETION : Three months(including monsoon) from the date of issuing of acceptance letter excluding monsoon.
- 03 TIME LIMIT : Time is the essence of the contract and the tenderer/contractor is required to complete the work within the period of completion.
- 04 MAINTENANCE PERIOD : Nil
- 05 As per the provision of EPF & MP Act, 1952, contractor who is engaging labour has to deposit PF amount with EPF authorities. It should be ensured that, PF registration details of the contractors are available and included in the tender document. No payment should be arranged in case of PF registration number is not made available.
- In case the contractor has not registered with EPF authorities, but is liable for payment of PF amount, the amount should be recovered from due bills and paid to EPF authorities quoting the PF registration number of KRCL. Detail instructions and compliance certificate to be submitted are enclosed in Annexure-A.
06. List of bridges to be destressed are enclosed in Annexure-C. Nos.of bridges to be destressed are approximate and may vary as per requirement for which no claim will be entertained.
- 07 Special jacks required for the work shall be arranged by the contractor as per list enclosed in Annexure-B. The list of bridges is enclosed in Annexure-C. Locations are tentative and may be changed or vary site condition for which no claim will be entertained.
- 08 The materials required for the works like bearing pads of required size will be issued at Ratnagiri stores. Contractor shall make his own arrangement to transport at site with contractor's own vehicle including loading and unloading with contractor's own labours with all leads and lifts.
- 09 The materials issued to the contractor shall be properly secured and the contractor is responsible for its custody. The contractor shall take all the necessary precaution to prevent its damage. In case of loss of corporations materials, the corporation will recover the cost as per extent rules.
- 10 Safety of labours working while destressing of neoprene bearing should be adequately ensured by the contractor by providing safety belt.

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- 11 Contractor has to carry out the work under traffic block. Traffic block will be provided as per availability of block. Traffic block will depend on flow of traffic. No claim will be entertained due to non-availability of block.
- 12 The contractor has to carry out the work carefully as per instructions of SSE/Pway or SSE/bridge.
- 13 The contractor shall be very alert to avoid any excessive lifting of girder during destressing operations.
- 14 Contractor has to ensure that jacks are applied only at the jacking points as per the drawing and that jacking force does not exceeds the bearing pressure permissible as per design. The contractor shall provide drawing showing the designed jacking point for each girder and grade of concrete of girder.
- 15 Before applying jacks the jacking area on pedestal and the bearing area on the bottom of girder will have to be made level by putting epoxy (if required) to prevent any point loading.
- 16 The successful tenderer should submit their calculations before execution of work to prove that the jacking pressure is less than the bearing pressure permissible for the type of concrete used for the girder and pier cap.
- 17 Contractor shall make labours available at site as specified by site engineer so that each lift operation can be completed in stipulated time and railway traffic shall not be disturbed on account of shortage of contractor's labour. The contractor has to complete the works in the specified traffic block without any traffic block bursting. A penalty of Rs.5,000/- per occasion shall be imposed on the contractor if the traffic block obtained for the purpose of the work is burst by more than 10 minutes.
- 18 The contractor shall employ sufficient number of technical staff who shall be qualified Graduate Engineers and Diploma Holders as required for setting out alignment, taking established bench marks, cross section level plotting, computation of quantities, taking measurements, and also for efficient supervision of various works at different work spots. The list of names, qualification and experience of these personnel should be furnished alongwith the tender documents. The contractor should also submit a list of names of graduate Engineer and Diploma holders with their Bio-data to the Corporation within 7 days from the date of issue of Letter of Acceptance. Any further changes should be advised and got approved. Minimum one graduate Engineer or one diploma Engineer shall be made available at site for supervision as given below:

SN.	Contract value	Deployment of qualified personnel
1.	The value of contract upto Rs.10 lacs, the contractor has to deploy:	Diploma Engineer in Civil Engineering for supervision of work.
2.	The value of contract upto Rs.10 lacs and upto Rs.50 lacs, the contractor has to deploy:	Diploma Engineer in Civil Engineering for supervision of work having minimum 3 years of experience.

SN.	Contract value	Deployment of qualified personnel
3.	The value of contract more than Rs.50 lacs, the contractor has to deploy:	Graduate Engineer or Diploma Engineer in Civil Engineering having minimum 5 years of experience in similar works for supervision.

The experience certificate will be issued by REN/KRCL/Ratnagiri, based on recommendations made by SEN/AEN on request of contractor. Failure to deploy the minimum technical staff as brought out above will make the contractor liable for penalty as under:

- i) No diploma engineer Rs.10,000/- per month or part thereof for the value of contract upto Rs.10 lacs.
 - ii) No diploma engineer having minimum 3 years of experience Rs.25,000/- per month or part thereof for value of contract more than Rs.10 lacs and upto Rs.50 lacs.
 - iii) No graduate Engineer/Diploma Engineer having minimum 5 years of experience Rs.50000/- per month or part thereof for the value of contract above Rs.50 lacs.
- 19 The contractor shall not start any work without the presence of railway supervisor or his representative and contractors supervisor at site.
- 20 The Engineer-in-charge shall approve the methodology proposed to be adopted by contractor, with a view to ensure safety of trains, passengers and workers and he shall also ensure that the methods and arrangements are actually available at site before start of the work and the contractor's supervisors and the workers have clearly understood the safety aspects and requirements to be adopted/followed while executing the work. There shall be an assurance register kept at each site, which will have to be signed by both i.e. Railway Supervisor or his representative as well as the contractor's supervisor as a token of their having understood the safety precautions to be observed at site.
- 21 After completion of work, the site shall be cleared of all muck and debris within period of 10 days from the date of completion of work. If contractor fails to do so, the muck/debris will be got removed by another agency and the cost will be recovered from the contractor.
- 22 Site order book, Hindrance register, daily progress register and material issue register shall be maintained at site and entries will be recorded day to day basis in the registers and signed jointly by Corporation supervisor and by the contractor or his authorised representative.
- 23 The work shall be carried out under traffic conditions. Block for carrying the work will be arranged by KRCL without affecting the train services. Contractor has to organise his works in such a way that no activity is held up for want of adequate block or non-availability block on any particular day. There shall be no detention of Railway traffic on account of any activity of the contractor or his men. Contractor will be penalised as under in case of trains detention due to his failure in clearing traffic block after ensuring safety.
- i) Rs.10,000/- per hour in case of mail/express trains.
 - ii) Rs.5,000/- per hour in case of goods trains.

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- 24 It shall be clearly understood that the contractor is personally responsible for any omission and commission on the part of men engaged by him. In case of any damages to railway/public property or injurious to the travelling public on account of failures of contractor to adhere to safety or resulting in an accident, the cost of damages will be recovered from the contractor from this work or other on going works. In addition, the contractor will also be liable for criminal prosecution as per extent rules.
- 25 Proper care should be taken to protect the track as well as OFC cables from damage during the execution of works. If damage is occurred due to negligence of the contractor, penalty of Rs.1.00 lakh or actual whichever is more on each incidence shall be levied and binding on the contractor.
- 26 DETAIL INSTRUCTIONS IN ORDER TO ENSURE THE SAFETY OF RUNNING TRAINS.
- a. Handing over of work site to contractor : A written letter shall be issued from the supervisor along with a sketch indicating the jurisdiction of railway boundary, working area of the contractor indicating danger mark for infringement of machine working adjacent to railway alignment.
- b. Layout Plan : A layout plan for OFC cable/electrical cable shall also be indicated in the work site plan which shall jointly be signed by the supervisors of all the concerned department i.e. Engineering, S & T and Electrical.
- c. Entry of machinery in railway premises : After taking over the work site by the contractor from the supervisor concerned, he shall take a written permission from the supervisor for deploying the machines at actual work site. He shall also certify that the machine is stationed at a safe spot at the end of the day and mark such spot on the work site plan itself.
- d. Depositing key of the machines to the concerned railway supervisor: After stabling the machineries at the nominated place by the concerned supervisor, the contractor shall deposit the key of the machinery with the railway supervisor. Next day for starting the work, the concerned supervisor will hand over the key to the operator of the machine only for the actual deployment of the machine for the work and no miscellaneous work or main work shall be permitted without the presence of railway supervisor.
- e. Withdrawal of machines from the work site after completion of work: Even for the purpose of withdrawal of machines from work site or from the place of stabling, or any movement of machine likely to infringe track, the contractor has to take written permission from the supervisor. In order to avoid any unusual occurrence like slipping of boulder, slipping of machinery which may endanger running traffic, no contractor shall be permitted to remove the machine in absence of railway supervisor. The railway supervisor shall furnish the certificate for successful removal of machinery from the work site. In the absence of such certificate work will be treated as incomplete and all responsibility will lie with the contractor and supervisor.
- f. Vehicles and equipments of contracts can be drafted by Railway administration in case of accidents/natural calamities involving human lives.
27. Before tendering, tenderer/contractor shall inspect the site and get himself acquainted about availability of labour, materials, approach road, working condition etc.

Contractor Signature

Regional Engineer
Ratnagiri

LIST OF MAJOR BRIDGES TO BE DESTRESSED UNDER SSE/RATNAGIRI SECTION.

SN	NAME OF BRIDGE	LOCATION	SIZE OF BEARING
01.	Dhamni	Km.169/200	P-3 Roha end LHS 560 x 360 x 39
02.	Bhoke-I	Km.195/900	P-2 MAQ end middle 460 x 320 x 39
03.	Khedshi	Km.198/198	P-1 Roha end LHS 560 x 360 x 39
04.	Mahalaxmi	Km.200/515	P-1 MAQ end LHS & RHS P-4 MAQ RHS 560 x 320 x 39
05.	Kuwarbao-I	Km.206/700	P-1 MAQ-RHS P-4 ROHA-RHS P-6 MAQ-middle 560 x 360 x 39
06.	Kondavi Viaduct	Km.215/998	P-6 MAQ middle P-8 Roha middle 520 x 360 x 39
07.	Pomendi	Km.209/510	P-5 MAQ LHS P-6 Roha LHS P-9 Roha LHS 520 x 360 x 39

NOTE : No.of bridges as indicated above are approximate and may be changed, increased or decreased in quantity for which no claim will be entertained.

Contractor

Regional Engineer
KRCL/Ratnagiri

EPF CLAUSE :

- i) The contractor shall be liable to pay before the due date his contribution, employee's contribution and other administrative charges as per provisions of the Employees Provident Fund Act as amended from time to time, in respect of all the staff and labour employed by him for the execution of the contract. In the event of his failure to follow the above provisions, the Corporation has to pay the said amount of contribution as assessed to the Provident Fund Commissioner and the Corporation will recover from the contractor the amount paid to the Provident Fund Commissioner, out of the sums due and payable to the contractor.
- ii) In such case of failure on the part of contractor, contractor shall indemnify and save harmless the Corporation from and against all actions, suits, proceedings, losses, costs, damages, charges, claims and demands fo every nature and description brought or recovered against the Corporation by reason of any act or omission of the contractor, his agents or employees in connection with complying the provisions of the Employees Provident Fund and Miscellaneous Provisions Act, 1952 as amended from time to time. All sums payable by way of compensation/penalty/damages/interest on the outstanding amounts payable by the contractor shall be considered as reasonable and be payable by the contractor to the Corporation immediately and if the contractor does not pay the amount immediately the same will be deducted from the security deposit or earnest money or any other amount available with the corporation or any moneys payable to the contractor by the Corporation.
- iii) Contractor should submit a compliance certificate along with the details of employees and recoveries made to the Konkan Railway Corporation as per the proforma enclosed hereunder every month within seven days of the close of every month as per the provisions of the Employees Provident Fund and Miscellaneous Provisions Act, 1952 as amended from time to time.

Contractor

Regional Engineer
KRCL/Ratnagiri

COMPLIANCE CERTIFICATE

We _____, contractor of Konkan Railway Corporation Limited do hereby certify that we have complied all the provisions of the Employees Provident Fund and Miscellaneous Provisions Act, 1952 in respect of employees employed by us. We are enclosing herewith statement showing the recoveries of contribution in respect of employees employed by us under section 36(b) of the Employees Provident Fund Scheme, 1952 towards Provident Fund and section 22 of the Employees Pension Scheme, 1995 towards Pension Fund for the month of _____ and deposited the same with PF authorities. Our Provident Fund Account Number is _____.

Place

Signature of the contractor

Date

Seal

LIST OF JACKS & TOOLS

SN	ITEM DESCRIPTION	QTY.
01	Jacks-200 T pancake/L Nut cylinder.	8 Nos.
02	Petrol pump (suitable to operate 4 Nos.of 220 T jacks with manifolds)	2 Nos.
03	Hose pipe of suitable length	12
04	Manofolds	2
05	Flow control valve	8 Nos.
06	Pressure gauge, adapter coupler set	2 Nos. each
07	Packing plates (metallic) (various sizes and thickness)	as required
08	Wooden packing blocks	as required

NOTE: Hydraulic jacks with remote control operation through power packs and hose connection shall be planned. No manual/mechanical methods/jacks shall be used for lifting operation.

Contractor

Regional Engineer
KRCL/ Ratnagiri