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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 : Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

Tender No : KR/RN/W/2010/8A

Last date of receipt : 10.03.2010 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  
(SECOND CALL)

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 04.03.2010 upto 13.00 hrs. of 10.03.2010, 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 : Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

TENDER NO. : KR/RN/W/2010/8A  
ESTIMATED COST OF WORK : Rs.3999125/-  
COMPLETION PERIOD : Five Months(including monsoon)  
EARNEST MONEY DEPOSIT : Rs.35,000/-  
LAST DATE AND TIME FOR DEPOSITING : 10.03.2010 upto 15.00 hrs.  
SEALED TENDERS IN THE TENDER BOX  
PLACE OF DEPOSITING/OPENING OF : Office of the Sr.Regional  
TENDER Engineer,KRCL/Ratnagiri.  
TIME AND DATE OF OPENING : 10.03.2010 at 15.30 hrs.  
COST OF TENDER FORM : Rs.1000/- (+) Rs.125/- (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 Senior 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 - BL , Class - A,B & C)  
(Tender notice as well as tender document are available on KRCL WEB site : [www.konkanrailway.com](http://www.konkanrailway.com))

(Md.Aasim Sulaiman)  
Sr.Regional Engineer,  
For Konkan Railway Corpn.Ltd.,  
Ratnagiri

KONKAN RAILWAY CORPORATION LIMITED

TENDER FORM

To,

The Sr.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.

- 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

Senior Regional Engineer  
Konkan Railway Corporation Ltd.  
Ratnagiri

## SCHEDULE 'A'

Name of Work : Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

Name of Agency :

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
01.	01303	Excavation to Railway's specification in hard murum, kunkar or stiff clay.	Cum.	61.88	203.00	12561.64
02.	02202	Cement concrete 1:3:6 in foundations with :				
	a)	40 mm graded stone aggregate.	Cum.	1334.60	21.00	28026.60
03.	01402	Filling Railway's sand, ashes, loose earth or loose murum in founds, plinth, floor and behind abutments and wing walls in 20 cms.layers including watering and ramming.	Cum.	21.15	92.00	1945.80
04.	01406	Filling contractor's murum without stacking directly in plinths and floors, etc. complete including watering and ramming.	Cum.	90.07	66.00	5944.62
05.	02310	Reinforced cement concrete 1:1.5:3 with 20 mm graded stone aggregate with Railway's steel for reinforcement.				
	a)	In foundation.	Cum.	2776.11	4.10	11382.05
	b)	In columns, lintels, beams, etc.using plywood/steel shuttering and staging.	Cum.	3745.00	20.00	74900.00
	c)	In walls, floors, slabs, chajjas, etc. using plywood/steel shuttering and staging.	Cum.	3987.60	32.40	129198.24
06.	07306	1:3:6 cement concrete in floors 80 mm thick with:-				
	(a)	80 mm thick	sqm.	132.35	330.00	43675.50

contdd..2

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
07.	07311	Class A, cement flooring with 1 cement and 3 gravel, shingle or broken stone graded from 20 mm to 30 mm size on previously laid concrete bed:				
	a)	40 mm thick.	Sqm.	90.97	58.00	5276.26
08.	07315	Extra for items 07311 to 07313 for colouring green or any other colour.	Sq.m.	56.54	58.00	3279.32
09.	05206	Plastering over all types of surfaces like concrete, masonry etc. 20 mm. thick.				
	b)	In cement mortar 1:4 (1 cement, 4 sand)	Sq.m.	52.70	1250.00	65875.00
10.	05210	Extra for nerru finish.	Sqm.	10.28	710.00	7298.80
11.	10103	Applying white wash on all surfaces.				
	(b)	Two coats.	Sq.m	2.46	425.00	1045.50
12.	10203	Applying "Snowcem" or similar other cement based paint of approved colour.				
	(b)	Two Coats.	Sqm.	19.89	518.00	10303.02
13.	10304	Applying oil bound washable distemper of approved standard, quality and shade.				
	(b)	Two Coats.	Sqm.	16.93	580.00	9819.40
14.	09403	Applying wall primer in one coat of approved standard quality over masonry walls, including filling of depressions etc.if any.	Sqm.	8.99	1250.00	11237.50
15	09307	Painting with ready mixed paint of approved standard, quantity and shade on steel work.	Sqm.	6.75	170.00	1147.50
16.	09104	Painting wood work with ready mixed paint of approved standard quality and shade.				
	b)	Two coats	Sqm.	15.80	42.00	663.60

contd..3

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
17.	09103	Applying priming coat of paint of approved quality to new wood work.	Sqm.	8.45	42.00	354.90
18.	07405	White glazed tiles of approved make and Ist grade quality of specified size ( 5 to 6 mm thick) in floors and ddo, with border in any desired pattern and colour with requisite white cement in joint and neat cement for bedding laid over cement mortar 1:3 bedding 20 mm thick average including any special cornices, corners, angles tiles, etc.,complete.	Sqm.	722.94	25.00	18073.50
19.	16102	S/F white glazed earthen ware wash water closer.				
	b)	Orissa pattern	Each	1501.90	3.00	4505.70
20	16107	Supplying, fixing and connecting white glazed earthen-ware wash basin of approved shape and moulding pattern like oval, rectangular corner, round, etc. conforming to I.S. 771,32 mm bore non-ferrous, chromium plated waste fittings (IS2963), waste plug, chain and stay (I.S.3311) including fixing complete in all respect (waste pipe, pillar tap, CI brackets and stop tap to be paid separately.)				
	(b)	of size 550x 400 mm	Each	940.87	3.00	2822.61
21	16105	Supplying and fixing white glazed earthen-ware foot rest for squatting pans etc.	Pair	120.50	3.00	361.50
22.	16110	Supplying and fixing cast iron brackets for wash basins and sinks, etc. including making holes fixing in wall complete and finishing the surface to its original condition.	Each	128.75	3.00	386.25

contd..4

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
23.	13520	Supplying and fixing brass chromium plated stop taps tested to withstand a pressure of 20 kgs./cm <sup>2</sup> of 15 mm bore complete in all respects. Conforming to IS781.	Each	193.77	8.00	1550.16
24.	13521	Supplying & fixing brass chromium plated concealed stop cock tested to withstand a pressure of 20 kgs./cm <sup>2</sup> of 15 mm bore complete in all respects.	Each	518.36	4.00	2073.44
25.	16121	Providing and connecting PVC pipe (300 mm to 450 mm long) complete with ball and socket brass couplings at both ends to suits 15 mm/20 mm bore G.I.pipes for wash basin and flushing tanks.	Each	24.15	3.00	72.45
26.	16205 b)	Supplying and fixing chromium plated & adjustable shower with revolving joint 15 mm. bore of approved quality.	Each	302.74	3.00	908.22
27.	13519	Supplying & fixing brass chromium plated bib taps tested to withstand a pressure of 20 kgs./cm <sup>2</sup> of 15 mm bore complete in all respects. Conforming to I.S.781.	Each	176.30	5.00	881.50
28.	16118	Supplying and fixing pipe as outlet or waste pipe to wash basins sink and bowl type urinals etc.complete including providing clamps to hold the pipe, making holes in masonry and making it good to original condition.				
c)		PVC 50 mm bore 1.7 mm thick	M.	73.50	6.00	441.00

contd..5

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
29.	13301	Supplying, jointing and fixing in building unplasticised (rigid) PVC pipes with all specials and mild steel clamps, including cutting holes in masonry and concrete where necessary and making them good and fixing cleats etc. including solvent cement for jointing purposes, conforming to I.S. 4985 to withstand a test pressure of 6 kgs./cm <sup>2</sup> .				
h)		75 mm outside dia. 2.6 mm wall thickness.	M.	295.03	6.00	1770.18
30.	13502	Supplying and fixing sand cast brass screw-down stop taps, tested to withstand a pressure of 20 kg./cm <sup>2</sup> complete in all respects including excavation if necessary. Conforming to I.S.781.				
c)		25 mm bore (of 1.30 kg. weight minimum)	Each	283.21	2.00	566.42
31.	13101	Supplying, laying & jointing mild steel galvanised pipes in all positions with all specials including trenching, refilling and consolidating upto 50 cm depth or fixing with standard clamps/cleats by making holes in masonry/concrete as necessary tested to withstand a pressure of 7 Kg./cm <sup>2</sup> conforming to I.S.1239 (part I and II).				
B-1		15 mm bore (2.65 mm thick, 1.23 kg/metre length weight minimum)	M.	84.03	12.00	1008.36
B-3		25 mm bore (3.25 mm thick, 2.44 kg/metre length weight minimum)	M.	125.93	250.00	31482.50
B-6		50 mm bore (3.65 mm thick, 5.17 kg/metre length weight minimum)	M.	249.80	250.00	62450.00

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
32	17202	Supplying, laying & cement jointing in C.M. 1:2 R.C.C. light duty, non-pressure pipe (class NP2), including collars all type of jointing materials, including excavation filling in and consolidating upto a depth of 2.00 metres pipes. Conforming to I.S.458.				
b)		150 mm bore, 25 mm. thickness.	M	385.75	30.00	11572.50
33.	17401	Brick masonry man hole upto 80 cm. depth, including excavation in all types of soil, 15 cm. C.C. 1:3:6 bedding, 20 cm. brick wall in C.M. 1:4, 15 mm. thick plaster in C.M. 1:2 inside full, outside top 20 cm. height only, making benching in C.C. 1:2:4 including fixing half round glazed S.W. Pipe and RCC man hole cover complete in all respect.				
a)		Upto 50 CM depths.	Each	1788.72	10.00	17887.20
34	17405	Supplying and fixing cast iron floor trap with hinged, grating on 10 mm thick 1:3:6 C.C. bedding, including embedding the trap in cement concrete. Conforming to I.S.3989.				
a)		Floor trap 100 mm dia. opening at floor level and 50 mm. dia at outlet (weight 2.5 Kgs.)	Each	151.37	2.00	302.70

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
35.	07413	Supplying and fixing non-slippery, abrasion and scratch resistant ceramic tiles of specified size and colour in floors and dado with requisite matching colour cement and requisite neat cement tor joints and bneddings laid over cement mortar 1:3 bedding 20mm thick(average) including any special cornices, corners, angles, tiles, etc. complete (rate includes making patterns and borders by different coloured tiles as approved).				
	a)	6 mm thick plain.	Sqm.	800.29	30.00	24008.70
	d)	7.5 mm thick printed or self design.	Sqm.	1203.78	60.00	72226.80
36.	16115	Supplying & fixing white glazed earthen-ware squatting plate type urinal complete in all respects conforming to IS-771.				
	b)	of Size 450 x 350 mm.	Each	684.64	2.00	1369.28
37.	16117	Supplying and fixing white marble stone 20 to 25 mm thick in masonry or concrete as a purdha to urinal range etc. Stone to be machine cut and well polished on all faces.				
			Sqm.	1809.79	2.25	4072.02
38.	12301	Supplying and fixing mild steel rolling shutters of 65 mm nominal width steel laths of deep convex corrugation complete with built up side guides in size 75 X 25 mm. made out of 20 mm square bar and 2.5 mm thick steel sheet, bottom rail made out of 3.2 mm thick(10 B.G.)steel sheet, flat iron at top and angle iron at the				

contd..8

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
		bottom of the shutter, brackets door suspension shaft made out of strong and best material, top rolling springs made out of strong and best spring wire, pulling hooks locking arrangements and handles both inside and outside without top cover, including one coat of red lead or zinc chromate paint, complete in all respects including fixing and making good the masonry and surface to its original condition.				
	a)	of 1.25 mm thick(18 B.G.) steel lath's shitters.	Sqm.	1528.63	4.50	6878.83
39.	12306	Providng and fixing 1.0 mm thick (20 B.G.) sheet in top cover to rolling shutter including fixing bolts and cleats in masonary including one coat of red lead or zinc chromate paint. cover.				
	a)	For pull and push type rolling shutters	M.	438.44	3.00	1315.32
40	12309	Supplying and fixing top hung type collapsible gate made out of M.S. channel pickets of size 20 mm linked by M.S. flats of size 20 X 6 mm. throughout the length, which when the gate is opened, shall give a maximum clear gap of 100 mm between pickets, fitted with good quality ball bearing, aluminimum handles and locking device both sides, folding stoppers to prevent door moving when folded, complete with top track bottom guide and all fittings accessories in single or double leaves, including a coat of double boiled linseed oil.	Sqm.	1525.55	12.50	19069.37

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
41.	08802	Supplying, fabricating and fixing anodised aluminium sections having specified thickness and cross section for glazed shutters/track channel with all necessary fittings, screws, clips and rollers as required.				
(a)		Sections having linear weight 200 gm./metre to 250 gm./metre.	M.	68.10	25.00	1702.50
(b)		For every additional 50 gm./metre or part thereof over 250 gm./metre.	M.	15.16	100.00	1516.00
42	08807	Providing and fixing PVC multiple hollow sections of approved colour with tongue and groove fixture having wall thickness 1 mm in shutter frames, partitions, etc., to be fixed by Aluminium beadings and screws.				
(b)		Having finished overall thickness 20 mm.	Sq.m.	1038.28	6.00	6229.69
43	08901	Providing and fixing butt hinges I.S. 1341 (for steel) and I.S.205 (for non-ferrous metal).				
(S2)		Anodised aluminium, size 75 mm, thickness 3.15 mm.	Each	14.64	12.00	175.68
44.	08906	Providing and fixing sliding door bolt for use with pad locks I.S. 281 (steel) I.S.2681 (non ferrous).				
A1		Anodised aluminium size 250 mm long and 16 mm dia.rod.	Each	71.96	4.00	287.84
45	08907	Providing and fixing tower bolts I.S.204.				
A2		Anodised aluminium, size 150 mm. long and 10 mm.dia bolt.	Each	41.89	4.00	167.56

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
46.	08913	Providing and fixing door handle I.S.208.				
A1		Anodized aluminium, size 100 mm (inside clear grip) of 10 mm hexagonal or round bar.	Each	23.64	8.00	189.12
47	02303	Precast reinforced cement concrete 1:2:4 with 20 mm graded stone aggregate in posts, columns, beams, lintels or door and window frames with Contractor's forms and Railway's steel for reinforcement including fixing with cement mortar 1:2.	Cum.	3154.93	1.10	3470.42
48.	12208	Providing and fixing adjustable louvres, including pairs of aluminium blades 100 mm. to 150 mm., in width, including aluminium sections rails in side, excluding glass louvres (to be paid for separately vide items of glazing) complete in all respects in windows and ventilators, of approved make and quality.	Per meter height	384.72	2.40	923.32
49.	08814	Providing cutting and fixing frosted glass panes (plain or with self design) in Aluminium/PVC frames with rubber gaskets and glazing strip of approved size and quality.				
b)		Frosted glass 4.00 mm.thick.	Sqm.	502.94	4.00	2011.76

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
50.	08511	Providing and fixing wooden flush doors with particle board solid core and commercial face veneers plywood 3 mm thick (I.S.303) on each side, internally lipped bonded with phenol formaldehyde synthetic resin adhesive of boiling water resistant grade hot pressed including aluminium fittings and C.P. Mortice lock.				
(a)		25 mm finished thickness (for above 1.5 sq.m. shutter area).	Sqm.	1249.53	20.00	24990.60
51.	08715	Providing & fixing grills and tree guards of approved design and pattern made out of M.S. flats and/or bars etc. including rivetting and welding complete in all respects including one coat of red lead or zinc chromate paint.				
			MT	29862.11	0.400	11944.84
52.	12102	Fabrication and supplying structural steel conforming to I.S. 226 including supply of correct sizes rivets conforming to I.S. 1929, turn bolts with nuts and washers conforming to I.S. 1364 and/or black bolts with nuts and washers conforming to I.S. 1363, including one primer coat of red lead paint conforming to I.S. 102 or zinc chromate paint conforming to I.S. 104, with all Contractor's labour, tools and plants, etc. in riveted/welded construction.				
(a)		In IRS roofs, sheds, trusses (including steel work in north light glazing, sliding doors, cabin steel work (excluding lever frame work in RSJs) racks in offices and sheds other miscellaneous steel work at isolated locations.	MT	34961.76	4.00	139847.04

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
53	12112	Erecting structural steel work including bolts with nuts and washers with all contractors labour, equipment, tools, plants, drifts and service bolts, etc. including welding (wherever required) complete in all respects. Work shall be carried out as per the following IRS specifications and/or I.S.standards as directed by Engineer-in-Charge.				
	(i)	IRS Specification no. B-2-63 for erection and rivetting of bridge work.				
	(ii)	IRS Specification No.B-3-61 part 3 for general steel structures (other than girder bridges).				
	(iii)	IRS Specifications No.B-3-61 part 4 for iron and steel tank staging.				
	(iv)	IRS Code of practice for metal arc. welding in mild steel bridges carrying rail, rail-cum-road or peadestrian traffic (welded bridge code)				
	(v)	IS-816 for general welding.				
	(g)	In IRS roofs, sheds, trusses (including steel work in north light glazing), sliding doors, cabin steel work (except lever frame works in RSJ's), racks in offices and sheds, work at isolaed locations.	MT	3652.22	4.00	14608.88
54.	06210	Water proofing flat roof, with 40 mm. thick Indian patent stone (1 cement, 1 sand, 2 coarse stone aggregate 6 mm. to 10 mm.size) and providing correct slope including filling joints with jointing materials.	Sqm.	131.84	225.00	29664.00

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
55.	07211	Providing laying in all position and polishing smooth (with machine) polished Kotah stone 25 to 40 mm thick.				
a)		Machine cut edges and set over cement mortar 1:3 bedding 20 mm (average) thick with requisite neat cement in bedding and joints and machine polished.	Sqm.	672.31	205.00	137823.55
56.	08713	Providing and fixing slabs in counters etc.				
a)		Makrana marble slab well polished and machine cut edges 20 mm to 25 mm thick.	Sqm.	3246.68	2.25	7305.03
57	06103	Laying asbestos cement sheets 5 to 6 mm. thick corrugated/trafford on previously erected steel or wood purlins/runners with Contractor's hook or crank bolts/coach screws, nuts and limpets/flat G.I. washers and bitumen washers, etc. complete.				
(b)		With Contractor's A.C. Sheets.	Sq.m	212.53	252.00	53557.56
58	06117	Laying asbestos cement ridges of all types on previously erected steel or wood purlines/frames with Contractor's stitching bolts, hook bolts, crank bolts, coach screws, nuts, limpet, bitumen washers and other washers including fixing to A.C. sheets.				
(b)		With Contractor's A.C. Ridges.	M.	121.56	30.00	3646.80

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
59.	13606	Supplying, hoisiting and fixing in position one piece moulded single wall construction, high/low density polyethylene water tanks on existing base including all lead and lift. The tank should have CI mosquito proof cover of approved type and design loacking arrangement, outlet/inlet arrangement as required.	Per Litre	10.53	5000.00	52650.00
60	04202	Brick masonry IInd sort in superstructure: (a) In cement mortar 1:4.	Cum.	1484.70	12.00	17816.40
61.	20701	Supplying bib tap / stop taps 15 mm bore (to withstand a minimum pressure of 20 Kg./cm2).  (b) Brass chromium plated (Min. Wt.400 gm).	Each	145.70	15.00	2185.50
62.	07605	200 mm thick rubble soling, hand packed.	Sqm.	122.33	100.00	12233.00
63.	19109	Dismantling brick or stone or cement hollow blocks in cement mortar.	Cum.	118.99	10.00	1189.90
64.	20202	Supplying and stacking clean sand for mortar as directed at indicated places.	Cum.	161.65	4.50	727.42

1238856.17

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

Grand total Rs.

NOTE : The rates of item are based on KRSSR 2002.

I/We agree to carry out the work at \_\_\_\_\_% in words

( \_\_\_\_\_ ) at par/

Above/ Below the schedule rates.

Signature of Contractor

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

## SCHEDULE B

Name of Work : Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

Name of Agency :

Item No.	KRSSR CODE	Item Description	Unit	Rate	Qty.	Amount
1.	24127	Providing laterite stone masonry in foundation & plinth including striking joints on the unexposed faces & watering with all contractor's men, materilas, tools & plants, including all leads & lifts etc., complete as directed by the engineer-in-charge.	Cum.	1324.20	322.00	426392.40
2.	24149	Supplying structural steel such as M.S.Plates, angles, RSJs, etc., M.S.Bars(plain & tor) of various dia. ranging from 6mm to 20 mm required in connection with the execution of zonal contract including loading, unloading and transportation at the required locations with all contractor's labour, tools & plants, etc., complete as directed by the Engineer-in-Charge.	M.T.	20000.00	5.20	104000.00
3.	24126	Supplying & fixing kadappa slab of 25 to 40 mm thick for kitchen otta & fixing the same in C.M. 1:3 making necessary recess/chipping in the existing wall/floor & complete the work as per the directions from engineer-in-charge including all contractor's materials, labours, tools & plants etc. complete.	Sq.m.	334.00	30.00	10020.00

contd...2

Item No.	KRSSR CODE	Item Description	Unit	Rate	Qty.	Amount
4.		Providing and fixing aluminium sliding window as per design and requirement at site with 4.0 mm thick glass with rubber gasket of approved size and quality with contractors own materials labour, tools, equipment with all leads and lift and as directed by Engineer-in-Charge.	Sq.m.	2000.00	30.00	60000.00
						600412.40

Contractor's percentage i.e. \_\_\_\_\_ at par/above/below  
Grand total Rs. \_\_\_\_\_

NOTE : The rates of item are based on KRSSR 2002.

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

Signature of Contractor

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

## SCHEDULE C (SCHEDULE FOR HIGH LEVEL PLATFORM)

Name of Work : Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

Name of Agency :

Item No	Item Description	Unit	Rate	Qty.	Amount
01	Supplying and laying murum to the required thickness in layers over bank or cutting formation 15 to 25 cm thick and compacting each layer with contractor's labours materials and power driven roller, crew, fuel etc. including watering and dressing to correct profile including making up of deficiencies to attain compacted uniform layer of approximately 2/3rd thickness of uncompactd layer laid initially including all leads and lifts.	Cum.	81.00	800.00	64800.00
02	Transportation of gabions from KRCL stores at Ratnagiri to work site including loading and unloading stacking at specified location as per direction of Engineer-in-Charge with contractor's vehicle, labours, tools etc. with all leads and lift.				
a)	Size - 4 m x 1 m x 0.5 m	Nos.	19.00	139.00	2641.00
b)	Size - 4 m x 0.50 m x 0.50 m	Nos.	15.30	139.00	2126.70
03	Assembling and placing of gabions in position with provision of cross bracing by lace wires with contractor's labours, tools, plants and materials as directed by Engineer-in-Charge.				
a)	Size 4 M x 1 M x 0.50	Nos.	25.00	139.00	3475.00
b)	Size 4 M x 0.50 x 0.50	Nos.	17.00	139.00	2363.00

Contd--2

Item No	Item Description	Unit	Rate	Qty.	Amount
04	Supplying of boulders duly breaking into required sizes of 10 cm to 20 cm to the specified locations and filling gabion in layers (like concrete) & placing flat surface of boulders to exposed surface (i.e.track side) to get uniform plane surface as directed by engineer-in-charge with contractor labours, tools, plants, materials scaffolding including all leads and lifts etc complete.	Cu.m.	376.00	417.00	156792.00
05	Providing, casting C.C.slab coping in M15 concrete with 20 mm & down size aggregate and fixing in C.M. 1:4 with all contractor's cement, men, materials, tools and plants including shuttering, compaction, removal of shutters, finishing the surface smooth curing etc.complete and as directed by Engineer-in-Charge.	Cum.	2268.00	48.00	108864.00
06	Providing and laying levelling course in foundation with C.C. 1:5:10 with 40 mm crushed stone aggregate as directed by Engineer-in-charge including all leads and lifts with contractor's labours, tools, plants, cement, materials etc. complete including watering, curing and as directed by engineer- in-charge.	Cum.	1078.00	52.00	56056.00
07	Solling of 150 mm thick with contractor's boulder including transportation with contractor's vehicle, placing in proper position, compacting with contractor's labour, tools, equipment with all leads and lift and as directed by engineer-in-charge.	Sq.m.	70.00	572.00	40040.00

contd..3

Item No	Item Description	Unit	Rate	Qty.	Amount
08	Providing laterite stone masonry in foundation and in superstructures including striking of joints on the unexposed faces and watering, curing etc. complete in C.M. 1:6 with all contractor's cement, men, materials with all leads and lift and as directed by Engineer-in-charge.	Cu.m.	1324.20	9.00	11917.80
09	Cement concrete 1:3:6 for levelling of top surface of gabions before fixing of coping slab with contractor's own cement, material etc. with all leads and lift, curing, watering and as directed by Engineer-in-Charge.	Cum.	1334.60	25.00	33365.00
					482440.50
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

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

- 01 Scope of work: The works mainly involved are Construction of station building and high level platform at Madure new crossing station between Sawantwadi-Pernem station.

Schedule A & B :

The works mainly involved are RCC 1:1.5:3 in footings, columns, lintels, beams, chajjas, slabs etc with Railway's steels, laterite stone masonry in CM 1:6 in foundation, plinth and super structures, providing and fixing Aluminium sliding window, providing and fixing wooden flush door as per specification, plastering in CM 1:4 20mm thick, flooring 80mm thick in C C 1:3:6 and 40mm thick Class A cement flooring as per specification, colouring with white wash, oil-bound washable distemper, snow-cem, painting of wood work with oil paint, internal water supply pipe line. Supplying & fixing top hung type collapsible gate, supplying, fixing & fabricating anodised aluminium sliding window and supplying & fixing non slippery abrasion & scratch resistant ceramic tiles of specified colour & size etc. as directed by Engineer-in-Charge with contractor's own materials including cement, steel etc.

Schedule C:

Construction of high level platform using gabions issued by KRCL at Ratnagiri with contractor's own cement, materials, labour, tools and equipment etc. including filling of gabions with boulder like masonry in layers, backfilling with murum obtained from out side including ramming with contractor's own roller with all leads and lift as directed by engineer-in-charge.

02. PERIOD OF COMPLETION : Five months(including monsoon) from the date of issuing of acceptance letter.
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 : Six months from the date of completion of work.
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 The cement required for the work should be confirm to IS 8112-1976, IS-455 (slag cement), Pozzollana cement. The contractor should procure cement from one of the following reputed brands/companies only.
- a) Indian Rayon/Rajashree cement
  - b) ACC
  - c) L & T
  - d) Gujrat Ambuja
  - e) Raymond
  - f) Indo Rama

- 07 The cement and steel required for the works shall be arranged by the contractor as rate includes the cost of cement and steel.
- 08 The cement brought to site shall be approved by the engineer-in-charge or his representative before starting the work. Cement bags which are older than three month from the date of manufacturing shall be summarily rejected. Contractor shall submit a test certificate regarding quality of cement. The rates of concrete shall include the cost of cement and its transportation to site with all leads and lifts, loading, unloading and storage.
- 09 There may be variation in quantities depending on type of strata of soil. No claim will be entertained due to change of strata and variation in quantities.
- 10 Contractor shall make his own arrangement for staggging, scaffolding etc. requires during excavation of well including making his own arrangement for dewatering with his own pump.
- 11 Blasting shall be carried out only with the written permission of the Engineer-in-charge or his representative. All the laws, regulations, rules etc. pertaining to use of explosives shall be rigidly followed.
- 12 The blasting operation shall remain in charge of competent and experienced supervisor and workmen who are throughly acquainted with the details of handling explosives and blasting operations. The contractor shall be solely responsible for any accident during the entire procedure of handling explosive and blasting and shall pay necessary compensation to person affected or damage etc. due to the blasting without extra claims. Damage to the track if any shall be recovered from the amount payable to the contractor. The decision of Engineer-in-charge concerning the assessment of track damage shall be final and binding on the contractor.
- 13 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.
- 14 Safety of labours working at site should be adequately ensured by the contractor.
- 15 The materials like gabions, lacing wires required for the work will be issued at Ratnagiri stores. Contractor shall make his own arrangement for transportation to site with their own vehicle including loading and unloading and stacking them properly at site with contractors own labours.
- 16 The materials issued to the contractor shall be properly secured and the contractor is responsible for its safe custody. In case of loss of Corporation materials, the Corporation will recover the cost as per extent rules.
- 17 The contractor shall be responsible for maintaining the bank work satisfactorily at his own cost till finally accepted including making good any depression formed due to settlement of bank, during maintenance period. If contractor fail to attend the same, the work will be carried out by other party or departmentally and cost will be recovered as per extent rule from outstanding bill. No extra payment will be made.

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. (upto value of work Rs.50.00 lakhs diploma engineer and beyond 50.00 lacks graduate Engineer or Diploma Engineer in Civil Engineer having minimum 5 years of experience in similar works for supervision should be available). The experience certificate shall be issued by Sr.REN/KRCL. Failure to deploy the minimum technical staff as above will make contractor liable for penalty as under:

i) No graduate engineer/or Diploma Engineer having 5 years experience- Rs.10,000/- per month or part thereof.

ii) No diploma engineer Rs.5,000/- per month or part thereof.

19 Site order books, hindrance register, progress register and material issue register shall be maintained at site and entries will be recorded on day to day basis in the registers and signed jointly by Engineer representative and by the contractor or his representative.

20 If any power supply connection is required for any work, contractor shall submit their request for electric connection to Engineer-in-Charge on payment basis. If it is found that, power supply connection is taken without permission, penalty will be imposed as decided by Engineer-in-Charge. Decision in this regard will be binding on the contractor.

21 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.

22 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.

CONTD..4

- 23 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.
- 24 Before tendering, tenderer/contractor shall inspect the site and get himself acquainted about availability of labours, materials, approach road, working condition etc.

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CONTRACTOR

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SENIOR REGIONAL ENGINEER

## 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

Senior 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

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Signature of the contractor

Date

Seal