

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 Type-I and Type-II staff quarters at Madure new crossing station between Sawantwadi-Pernem station.

TENDER NO. : KR/RN/W/2010/10A

ESTIMATED COST OF WORK : Rs.1840967/-

COMPLETION PERIOD : Four Months(including monsoon)

EARNEST MONEY DEPOSIT : Rs.20,000/-

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)

(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 thetime 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

Senior Regional Engineer
Konkan Railway Corporation Ltd.
Ratnagiri

SCHEDULE 'A'

Name of Work : Construction of Type-I and Type-II staff quarters 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 with contractors murum.	Cum.	61.88	252.00	15593.76
02.	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	164.00	3468.60
03.	01406	Filling contractor's murum without stacking directly in plinths and floors, etc. complete including watering and ramming.	Cum.	90.10	169.00	15226.90
04.	02202	Cement concrete 1:3:6 in foundations with :				
	a)	40 mm graded stone aggregate.	Cum.	1334.60	8.70	11611.02
05.	02209	Cement concrete 1:2:4 with 20 mm graded stone aggregate inclusive of shuttering for bed blocks, lintels, skew backs of arches, etc., cast in situ.	Cum.	2249.00	4.30	9670.70
06.	02310	Reinforced cement concrete 1:1.5:3 with 20 mm graded stone aggregate with Railway's steel for reinforcement.				
	b)	In columns, lintels, beams, etc. using plywood/steel shuttering and staging.	Cum.	3745.00	10.05	37637.25
	c)	In walls, floors, slabs, chajjas, etc. using plywood/steel shuttering and staging.	Cum.	3987.60	33.10	131989.56

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
07	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.	52.60	1180.00	62068.00
08	05210	Extra for neeru finish over all types of plastered surfaces (thickness 1.5 mm to 2 mm.)	Sq.m.	10.28	1180.00	12130.40
09.	10303	Applying approved primer coat before distemping/snowcem.	Sqm.	5.00	2075.00	10375.00
10.	05104	Ruled pointing on stone masonry:-				
	(b)	In cement mortar 1:3 (1 cement, 3 sand).	Sq.m.	25.20	36.00	907.20
11.	10103	Applying white wash on all surfaces.				
	(b)	Two coats.	Sq.m	2.46	2075.00	5104.50
12.	10203	Applying "Snowcem" or similar other cement based paint of approved colour.				
	(b)	Two Coats.	Sq.m.	19.90	389.00	7741.10
13.	09103	Applying priming coat of paint of approved quality to new wood work.	Sqm.	8.45	38.00	321.10
14.	10304	Applying oil bound washable distemper of approved standard, quality and shade.				
	(b)	Two Coats.	Sq.m.	16.90	2075.00	35067.50
15.	09307	Painting with ready mixed paint of approved standard, quantity and shade on steel work.	Sq.m.	6.75	17.20	116.10

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
16.	16101	Supplying and fixing white glazed earthenware wash down water closet with built in trap conforming to I.S.771 with plastic seat and cover (I.S.2548 E), including making holes in masonry and connecting further etc. complete in all respects (400 to 410 mm height).				
b)		Universal/Anglo-Indian type.	No.	2585.90	4.00	10343.60
17.	16105	Supplying and fixing white glazed earthenware foot rest for squatting pans etc.	Pair	120.50	4.00	482.00
18.	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 400mm	Each	940.80	4.00	3763.20
19.	16108	Supplying, fixing and connecting 15 mm bore pillar tap.				
a)		Chromium plated conforming to I.S.1795	Each	282.40	4.00	1129.60

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
20.	16121	Providing and connecting PVC pipe (300 mm to 450 mm long) complete with ball and socket brass couplings at both ends to suit 15 mm/20 mm bore G.I. pipes for wash basin and flushing tanks.	Each	24.15	4.00	96.60
21.	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.	Pair	128.70	4.00	514.80
22.	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.	RM	73.50	4.00	294.00
23.	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 ² .				
	(c)	25 mm outside dia. 1.4 mm wall thickness.	RM	36.20	21.50	778.30
	(e)	40 mm outside dia. 1.4 mm wall thickness.	RM	85.10	13.00	1106.30
	(g)	63 mm outside dia. 2.2 mm wall thickness.	RM	201.50	84.00	16926.00

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
24.	16205	(b) Providing and fixing chromium plated & adjustable shower with revolving joint 15 mm. bore of approved quality.	Each	302.70	4.00	1210.80
25.	08401	Providing, making and fixing doors, windows and ventilator frames, including fixing in masonry-				
	(b)	Using other than country teak wood of approved species.	Cum.	19163.50	0.45	8623.57
26.	08511	Providing and fixing wooden flush doors with block board solid core and commercial face veneers ply 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.				
	(b)	35 mm finished thickness (for above 1.5 sq.m. shutter area).	Sq.m.	1464.30	30.20	44221.86
27.	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.	Sqm.	1038.20	17.30	17960.86
28.	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	23.60	20.00	472.00

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
29.	08907	Providing and fixing tower bolts I.S.204.				
	A1	Anodised aluminium, size 100 mm, long and 10 mm. dia. bolt.	Each	29.50	20.00	590.00
30.	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	71.90	20.00	1438.00
31	05301	Damp proofing walls with cement mortar (1:2) 50 mm. thick with approved standard and quality of water proofing compound.	Sqm.	142.60	40.00	5704.00
32	16112	Supplying, fixing and connecting, white glazed earthen-ware sink for kitchen/laboratory conforming to I.S. 771 with 50 mm bore chromium plated non-ferrous waste pipe and fittings (I.S.2963), waste plug, chain and stay (I.S.3311) and cast iron brackets (I.S.775) including fixing complete in all respects.				
	a)	Kitchen sink size 600 x 450 x 200 mm	Each	2123.80	4.00	8495.20
33	17201	Supplying, laying and cement jointing salt-glazed stone ware pipes, including jointing in C.M. 1:1, including excavation filling in and consolidating upto a depth of 0.90 m. Conforming to I.S.651.				
	a)	100 mm. bore 12 mm. thickness (Quantity for each joint Cement= 1.00 kg. spun yarn = 0.25 kg.)	RM	165.20	65.00	10738.00

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
34.	13520	Supplying and fixing brass chromium plated stop taps tested to withstand a pressure of 20 kgs./cm ² of 15 mm bore complete in all respects. Conforming to I.S.781.	Each	193.70	16.00	3099.20
35	02210 a)	Precast cement concrete 1:2:4 with 20 mm graded stone aggregate for bed block, lintels, coping stone, curbing stone, slabs, vauissoirs, skew back, steps, etc. inclusive of forms and shuttering.	Cum.	2195.80	4.00	8783.20
36.	07405	White glazed tiles of approved make and Ist grade quality of specified size (5 to 6 mm thick) in floors and dado, 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.	Sq.m.	723.00	40.00	28920.00
37.	07406	Extra for item 07401,07402, 07403, 07404 and 07405 for using tiles of approved colour and matching colour cement as necessary.	Sqm.	89.10	40.00	3564.00
38.	13101	Supplying, laying and 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 ² conforming to I.S. 1239 (Part I and II).				

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
	B.1.	15 mm bore (2.65 mm thick, 1.23 kg / metre length weight minimum).	RM.	84.00	40.00	3360.00
	B.2.	20 mm bore (2.65 mm thick, 1.59 kg / metre length weight minimum).	RM.	95.10	35.00	3328.50
	B.3	25 mm bore (3.25 mm thick, 2.44 kg/metre length weight minimum).	RM.	125.90	40.00	5036.00
39.	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.	131.80	198.00	26096.40
40.	07604	150 mm thick rubble soling, hand packed.	Sqm.	85.60	66.00	5649.60
41	09104	Painting wood work with ready mixed paint of approved standard quality and shade. (b) Two Coats.	Sq.m.	15.80	130.00	2054.00
42.	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.				
	d)	Floor trap (nahani) with 165 mm.dia opening at floor level and 50 mm. dia at outlet (weight 5.50 kgs)	Each	217.10	4.00	868.40
43.	17408	Supplying and fixing 150 mm bore salt glazed stone ware square tee for inlet and outlet in septic tanks. Conforming to I.S.651.	Each	191.40	4.00	765.60

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
44.	08901	Providing and fixing butt hinges I.S. 1341 (for steel) and I.S.205 (for non-ferrous metal).				
	(A3)	Anodised aluminium, size 100 mm, thickness 3.20 mm	Each	33.10	48.00	1588.80
45.	08914	Providing and fixing door knobs.				
	A1	Aluminium, 7 cm.dia.	Each	56.80	12.00	681.60
46.	07306	1:3:6 cement concrete in floors 110 mm thick with:-				
	(a)	80 mm thick	sqm.	132.35	115.00	15220.25
47.	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.	90.90	115.00	10453.50
48.	07315	Extra for items 07311 to 07313 for colouring green or any other colour.	Sq.m.	56.50	115.00	6497.50
49.	16102	Supplying and fixing white glazed earthen-ware squatting pan with 'P' or 'S' trap with minimum 15 cm thick C.C. 1:3:6 bedding below and around the pan including making holes in the masonry and connecting further etc. Complete in all respects conforming to I.S.771.				
	(b)	Orissa pattern of size 580 mm X 440 mm.	Each	1501.90	4.00	6007.60
50.	13521	Supplying and fixing brass chromium plated concealed stop cock tested to withstand a pressure of 20 kgs./cm ² of 15 mm bore complete in all respects.	Each	518.30	4.00	2073.20

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
51.	16208	Supplying and fixing white feather-touch flushing cistern moulded from high impact Polystyrene, functional parts made of engineering grade ABS, Nylon, Accetal & superior quality rubber, (having built in wall brackets) 15 mm bore mosquito proof overflow pipe 100 mm in length.	Each	1508.30	4.00	6033.20
52.	13519	Supplying and fixing brass chromium plated bib taps tested to withstand a pressure of 20 kgs./cm ² of 15 mm bore complete in all respects. Conforming to I.S.781.	Each	176.30	4.00	705.20
53.	13502	Supplying and fixing sand cast brass screw-down stop taps, tested to withstand a pressure of 20 kg./cm ² , complete in all respects including excavation if necessary. Conforming to I.S.781.				
	(c)	25 mm bore (of 1.30 kg. weight minimum)	Each	283.20	4.00	1132.80
54.	08705	Providing, cutting and fixing decorative plastic laminate of 0.8 to 1.0 mm nominal thickness on existing plywood faced work, using synthetic resin adhesive conforming to I.S.848.				
	(a)	Glossy finish.	Sq.m.	444.60	38.00	16894.80
55.	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.				

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
	(a)	Sections having linear weight 200 gm./metre to 250 gm./metre.	RM	68.10	60.00	4086.00
	(b)	For every additional 50 gm./metre or part thereof over 250 gm./metre.	RM	15.10	172.00	2597.20
56.	08402	Extra for items 08401, 08404 and 08405 for providing, making and fixing mild steel hold fast 200 mm long made out of 350 mm long M.S. Flat of 32 X 5 mm section screwed firmly with 4 Nos. 60 mm long screws (all contractor's materials).	Each	27.20	101.00	2747.20
57.	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	384.70	10.00	3847.00
58.	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.	Sq.m.	502.90	26.00	13075.40
59.	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 Sheets.	A.C. Sq.m	212.50	26.00	5525.00

S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
60.	16211	Supplying and fixing CP brass towel rail with C.P. brackets including fixing in masonry with screws and plugs.				
	(b)	750 mm X 20 mm dia.	Each	137.50	4.00	550.00
61.	16210(a)	Supplying & fixing 5 mm thick mirror of nominal size 310 mm X 450 mm in F.R.P. frame of approved colour with built in tray (as approved by Engineer).	Each	283.20	4.00	1132.80
62.	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	0.60	20977.05

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
63	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	3652.20	0.60	2191.32
64.	05304	Cement plaster with (1:3) mortar 25 mm. thick with approved standard and quality of water proofing compound.	Sq.m.	71.15	65.00	4624.75

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S.N.	CSR CODE	Description	UNIT	RATE	QTY.	AMOUNT
65.	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.	672.30	13.00	8739.90
66.	02305	Precast R.C.C. 1:2:4 with 15 mm graded stone aggregate in jali work, 40 mm thick with Rly's reinforcement (6 mm) at the rate of 2.5 Kg./m2 including fixing complete (No deduction to be made for openings in jali).	Sqm.	147.30	8.50	1252.05

724076.40

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

Grand total Rs.

NOTE : RATES OF ITEMS 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 'B'

Name of Work : Construction of Type-I and Type-II staff quarters at Madure new crossing station between Sawantwadi-Pernem station.

Name of Agency :

S.N.	Item Description	UNIT	RATE	QTY.	AMOUNT
01	Supply of structural steel such as MS plates, angles, M.S.bar (plain and Tor) of various diameter ranging from 6 mm to 25 mm required in connection with execution of KRSSR items with railway's steel including cutting, bending, loading, unloading and transporting to the site with contractor's own vehicle with all leads and lift and as directed by Engineer-in-Charge.	MT	20000.00	2.55	51000.00
02	Providing and fixing aluminium sliding window with 4.0 mm thick glass with rubber gasket of approved size and quality with contractors own materials, labours, tools, equipment etc. with all leads and lift.	Sqm.	2000.00	25.00	50000.00
03	Providing and fixing 1000 litre capacity syntex tank of approved quality and design as directed by Engineer-in-Charge.	Litre	6.00	4000.00	24000.00
04	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	182.00	241004.40
05	Providing & fixing mosquito net of netlon make to suit window size with all contractors own fitting, materials, labour, tools, etc. and as directed by Engineer-in-Charge.	Sqm.	286.00	29.00	8294.00
06	Providing and fixing wooden bedding over window wooden frame with all necessary fittings.	RM.	16.00	112.00	1792.00

contd...2

S.N.	Item Description	UNIT	RATE	QTY.	AMOUNT
07	Providing and fixing polished kaddappa stone of 25 mm to 30 mm thick on bedding of C.M. 1:4 with all contractors own materials, labour, tools etc. and as directed by Engineer-in-Charge.	Sqm.	320.00	33.00	10560.00
08	Supplying and fixing kadappa slab of 25 to 40 mm thick for kitchen otta and 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 contractors materials, labours, tools & plants etc.complete.	Sqm.	334.00	21.00	7014.00
					393664.40

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

ADDITIONAL SPECIAL CONDITIONS OF CONTRACT

01 SCOPE OF WORK : The works mainly involved are Construction of Type-I and Type-II staff quarters at Madure new crossing station between Sawantwadi-Pernem station. The quarters to be constructed are as under:

Type-I quarters - 2 units
Type-II quarters - 2 units

- a) Excavation in all kinds of soil/murum/hard murum/hard rock/laterite strata etc. requiring controlled blasting with contractor's own explosive, labour, tools, equipment including disposal of muck away from site with all leads and lift and as directed by Engineer-in-Charge.
- b) Cement concrete 1:3:6 in foundation bed using 40 mm graded stone aggregate with contractors own cement, materials etc. with all leads and lift including watering and curing.
- c) Reinforced cement concrete 1:1:5:3 using 20 mm graded stone aggregate with Railway's steel in column, lintels, beams, floor slab, chajjas etc. using plywood/steel in shuttering with contractors own cement, materials etc. with all leads and lift including watering, curing etc. complete.
- d) Coursed rubble/UCR/laterite stone masonry/brick masonry in IInd sort in C.M.1:6 in foundation/plinth/superstructure with all contractors own materials, cement, labour etc. complete including scaffolding if requires, watering, curing with all leads and lift and as directed by Engineer-in-Charge.
- e) Supplying and filling murum of good quality in plinth without stacking including watering, ramming with contractor's own labour, tools, equipment etc. with all leads and lift.
- f) Supplying of steel of various diameter ranging from 6 mm to 25 mm as per requirement at site including transportation to site, loading and unloading and stacking them properly required for execution of KRSSR items in which Railway steel to be used.
- g) Providing and fixing aluminium windows with 4.0 mm thick glass with all contractors own materials, labour, tools, equipment etc. with all leads and lift and as directed by Engineer-in-Charge including fittings, fastening etc.
- h) Precast cement concrete 1:2:4 using 20 mm graded stone aggregate for bed blocks, lintels, coping, stone curbing etc. with contractor's own cement, materials etc. watering and curing as directed by Engineer-in-Charge.
- i) Providing, making & fixing doors, windows and ventilators frame using other than country teak wood including fixing in position with all contractors own materials, fastening etc. with all leads & lift and as directed by Engineer-in-Charge.
- j) Providing, making & fixing battened and frame shutters 25 mm finished thickness with heavy pattern iron fittings using other than country teak wood of approved species.

contd...2

- k) Providing & fixing wooden flush doors with block board solid core 35 mm finished thickness and commercial face veneers ply 3 mm thick on each side including aluminium fittings and C.P.mortice lock etc. with all contractor's own materials, labour, tool, equipment with all leads and lift and as directed by Engineer-in-Charge.
 - l) Providing water proofing flat roof with 40 mm thick Indian patent stone in C.C. 1:1:2 using aggregate of size 6 mm to 10 mm including filling of joints with proper jointing materials approved by Engineer-in-Charge etc. with all contractors own cement, materials etc. with all leads and lift.
 - m) Providing & fixing syntax tank of approved capacity and quality as directed by Engineer-in-Charge.
 - n) Applying white wash, snowcem and oil bound washable distemper of approved quality in two coats with all contractors own paint, colour, distemper, labour, tools, equipment and as directed by Engineer-in-Charge with all leads and lift.
 - o) Painting of steel work of approved quality ready mixed paint with all contractors own paint, labour, tools, equipment etc. with all leads and lift.
 - p) Supplying, jointing and fixing unplasticised rigid PVC pipes with all specials and mild steel clamps of required diameter at site including cutting, making holes in masonry/concrete where necessary including solvent cement for jointing of cement etc.
02. PERIOD OF COMPLETION : Four 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

contd...3

- 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 The work shall be carried out such way that no inconvenience will be caused to the residence.
- 10 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.
- 11 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.
- 12 On the completion of the works, the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and works clear. If contractor fail to clear the site, within 7 days, same will be cleared from other agency and recovery of it will made from your due bills.
- 13 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.
- 14 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.

- 15 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.
- 16 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.
- 17 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.
- 18 **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.

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- 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 contractors can be drafted by Railway administration in case of accidents/natural calamities involving human lives.
- 19 Before tendering, tenderer/contractor shall inspect the site and get himself acquainted about availability of labours, materials, approach road, working condition etc.

CONTRACTOR

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

Signature of the contractor

Date

Seal