

Name of work : Operation and maintenance for Kanjirapally - Kanjiramkavala Road (36.1 km) for the year 2025-26 under Rehabilitation of State Highways and Major District Roads - Package B

**INKEL LIMITED**

1<sup>st</sup> Floor, Ajiyal Complex,  
Kakkanad, Cochin – 682030  
(Phone: 0484 - 2978101)

No. NIQ/INKEL/EKM/2025-26/206

Date: 25<sup>th</sup> July 2025

**NOTICE INVITING QUOTATION**

**Name of Work: Operation and maintenance of Kanjirapally - Kanjiramkavala Road (36.1 km) for the year 2025-26 under Rehabilitation of State Highways and Major District Roads-Package B**

Sealed quotations are invited by INKEL Limited (on behalf of INKEL-EKK Roads Pvt Ltd), having its registered office at 1<sup>st</sup> Floor, Ajiyal Complex, Kakkanad, Cochin 682030, so as to reach the undersigned on or before **01/08/2025** up to 2.30pm for carrying out the Operation and maintenance of Kanjirapally - Kanjiramkavala Road (36 km) for the year 2025-26. The quotations received will be opened at 3.00pm on the same day. The description of works to be carried out are detailed in the attached Schedule of Quantities. The rates quoted shall be final and all-inclusive and nothing extra will be paid on any account.

**Specific Conditions**

- Rates quoted shall be inclusive of GST, PF, ESI, Insurance charges etc.
- Routine maintenance items are to be carried out at site on daily basis.
- Supply of labour for PMU is @ 5 Nos labour per day on all working days except Sundays.
- For Supply of labour, working time is from 8 am to 5: 30 pm.
- Accommodation & conveyance of labour is in Contractor scope.
- Safety of workers and surroundings shall be the responsibility of the Contractor.
- Necessary barricades, warning boards, etc are to be provided wherever required.
- Necessary tools and plants required for the work are to be provided by the Contractor.

**1. Eligibility Criteria**

The intending bidders should have at least one year experience in executing similar work in Highways (routine maintenance works in any National Highway, State Highway, Major District Road, Other District Roads, City Road) within the last 3 years. Experience certificate & Work orders issued by the Client /Govt /Semi Govt Agency shall be produced for this purpose. Bids of applicants without experience as mentioned above shall be summarily rejected.

**2. Issue Of Quotation**

The intending bidder, who has the requisite experience in this field, can download the document free of cost from our website ***www.inkel.in***

**3. Item Rate Contract**

This work shall be item rate contract inclusive of all taxes. The contractor's rates must be firm and include the cost of transportation of materials to the site.

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**4. Location of Site**—Kanjirapally - Kanjiramkavala Road (36.1 km)

5. The intending bidders should visit the site before submission of quotation. For site visit, contact Ph-8606974014

6. The successful bidder has to sign an agreement with M/s INKEL Limited on non-judicial stamp paper worth Rs.500/- within 7 days of receipt of the acceptance letter.

**7. Performance Guarantee and Performance Security Deposit**

Not Applicable

**8. Period Of Construction**

The Contract period is 12 months. The Contractor has to employ their resources and carry out the routine maintenance works throughout the period of 12 months as directed by the O&M Manager. The work items mentioned in the schedule are to be executed as per the approved Maintenance schedule and evenly over a period of 12 months.

**9. All Inclusive Rates**

The contractor's rate must be firm and include the cost of transportation, loading/unloading of materials to the site, statutory levies & applicable cess etc and the fixing or placing in position for which the item of work is intended to be operated. **The rates quoted by the contractor shall be firm throughout the contract period and there shall be no upward revision of the rates quoted by the contractor for any reasons whatsoever.**

**The quantities indicated in Schedule of Quantities are tentative and may vary according to the site conditions.**

**10. Compensation For Delay**

Not Applicable

**11. Defects Liability Period**

Not Applicable

**12. Co-Ordination Of Work**

The works are to be executed as per the direction of Road Maintenance Manager, INKEL Ltd. The Contractor has to employ necessary qualified supervisory staff minimum 1 (one) number full time at site for the entire contract period.

**13. Insurance**

Contractor has to obtain Workmen's Compensation policy for the workmen deployed for the O& M Period of 1 year.

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#### **14. EPF Contribution**

The Contractor shall obtain EPF registration and ensure timely contribution as per the EPF Act, 1952, for all eligible workers. Proof of registration and monthly contribution shall be submitted to the Employer.

#### **15. Water And Electricity**

The contractor shall make his own arrangement for water and electricity required for the work. INKEL shall take no responsibility for the supply of either electricity or water.

- 16.** The site should be kept clean and the surplus materials and unwanted debris should be removed / disposed to a proper place by the contractor or moved to a location as directed by INKEL. Re-handling charges will not be allowed.

#### **17. Payment terms**

All payments will be processed within 15 days thereof on submission of correct invoice and bill based on the joint site measurements, along with the payment certificate issued by Project Manager, INKEL. Also along with your Invoice you should submit details of proof of ESI & EPF remittance of the workers engaged for this work, ECR Challan, Wage Register, Muster Roll Copy register of each employees worked for the assignment as certified by Project Manager , INKEL.

Managing Director  
INKEL Limited  
Cochin –682030

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## SCHEDULE OF QUANTITIES

Sl No	Description	Unit	Qty	Rate	Amount
<b>A</b>	<b>Maintenance works &amp; PMU Labour</b>				
<b>1</b>	<b>VEGETATION CLEARANCE</b>				
1.1	Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area using Grass cutting machine	Sqm	579258.00		
1.2	Branch cutting of trees with tree cutter & Chainsaw etc upto a clearance of 5.5 meters from the road	No	300.00		
<b>2</b>	<b>DRAINAGE WORKS</b>				
2.1	Earthen drain cleaning and restoration by manual means	Rm	20000.00		
2.2	Providing new earthen drain and retrenching of filled up earthen drains with JCB or equivalent.	Rm	8000.00		
2.3	Supply of Tipper( 150ft) for debris and surplus soil shifting	Day	20.00		
2.4	Cleaning of RCC drain under footpath by manual means, water jetting etc including removal of coverslab	RM	1500.00		
2.5	Removal and refixing of RCC cover slabs over drain including drain cleaning	RM	5160.00		
2.6	Removal of earth from the choked RCC drain and disposing on the ROW edge manually	RM	7062.00		
2.7	Casting, conveyance and fixing of precast RCC cover Slab of M20 Grade for drain including steel reinforcement, aggregate size not exceeding 12 mm, true to line and grade, complete as per approved drawings and technical specifications. (Material, shuttering and Labour all complete)	Cum	4.50		

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<b>3</b>	<b>SHOULDER REPAIR WORKS</b>				
3.1	Construction of earthen shoulders with approved outside borrow earth transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2	Rm	100.00		
3.2	Construction of granular sub-base by providing graded Material for Road shoulder specifications as per PRICE item code : 3.18	Cum	10.80		
3.3	Plain/Reinforced Cement Concrete for road shoulder PCC M20 specification as per PRICE item Code : 12.8.B	Cum	1.88		
<b>4</b>	<b>CULVERTS CLEANING</b>				
4.1	Cleaning of culvert including catchpit, vegetation, vents and stream cleaning with necessary tools and Machineries etc.	Nos	282.00		
<b>5</b>	<b>LAND SLIDE CLEARANCE</b>				
5.1	Clearance of land slides in soil and ordinary rock by JCB or equivalent and disposal of the same on the valley side	Hrs	50.00		
<b>6</b>	<b>REPAIR WORKS- STRUCTURES</b>				
6.1	Earthwork excavation foundation	Cum	27.00		
6.2	RR Masonry 1:3	Cum	10.00		
6.3	Pointing with CM 1:3	Sqm	60.00		
6.4	PCC 1:2:4	Cum	6.75		
<b>7</b>	<b>PAINTING WORKS</b>				
7.1.a	Supply of Enamel Paint of approved quality Brand Berger /Asian Paint with accessories like thinner etc for hand rail and road sign post painting(Berger Luxor/Asian Apcolite or equivalent)	Ltr	686.73		
7.1.b	Labour Charges for painting Hand rails with manual labour by cleaning the surface including the tools brush etc (Excluding cost of paint)	RM	7554.00		
7.1.c	Labour charges for painting Road sign posts with manual labour by cleaning the surface including the tools brush etc (Excluding cost of paint)	Nos.	1050.00		

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7.2	Supply of Exterior emulsion paint of approved quality Brand Berger/Asian paints with accessories like thinner etc for the Bridge & Culvert parapet, Km stones (Asian Apex/ Berger Weathercoat or equivalent)	Ltr	466.13		
7.3	Supply of Road Marking/Kerb marking paint (Golden yellow/ white / black) of approved quality thinner Brand Berger/Asian paints for Footpath kerb & Median kerbs(Berger Guideline RM 164/ Asian Apcotrak or equivalent)	Ltr	1026.91		
7.4	Labour charges for painting exterior emulsion /Kerb marking paint with manual labour for the listed works by cleaning the surface including the tools brush etc (Excluding cost of paint)				
7.4.a	Culvert Parapets	Per No	243.00		
7.4.b	Painting Sub Km stone, Hectometre Stone, KM Stone & RBS Stone .- Labour Only.	Per No	1127.00		
7.4.c	Footpath Kerb	RM	11296.00		
7.4.d	Minor Bridge Parapets / handrails	Per No	26.00		
7.4.e	Major Bridge Arch, Parapet / handrail	Rm	250.00		
<b>8</b>	<b>ROAD FURNITURE REPAIR WORKS</b>				
8.1	Refurbishment of existing signboards washing , correcting dislocation etc	Nos	1140.00		
8.2	Repairing of Hand rails(including cutting, bending, welding, Painting and fixing) Labour with consumables	Rm	625.00		
8.3	Supply and installation of Pearl grass or equivalent at damaged landscaping areas, including all labour and materials, with maintenance for three months, complete	Sqm	232.00		
8.4	Supply of labours for turf maintenance with tools. Manur , shading etc.	Nos	144.00		
8.5	Supplying water through water tanker for landscape watering including cost of water , transport and labour	Ltr	337200.00		
8.6	Washing/ Cleaning of W beam Metal Beam crash barriers	RM	5000.00		
8.7	Washing/ Cleaning of Pedestrian Handrails	RM	5000.00		

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8.8	Fixing 3M brand reflective stickers on structures, Guard stone etc	RM	50.00		
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8.9	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on Bituminous Surface @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	Sqm	Rate only		
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<b>9</b>	<b>FIXING OF ROAD SINAGES</b>				
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9.1	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign with <b>90cm size</b> with 7years warranty manufactured as per IRC :67 made of Type IV micro prismatic grade sheeting vide clause 801.3.3 fixed over aluminium sheeting, 2 mm thick/ aluminium composit material sheeting 4 mm thick with suitable back supporting frame of MS angle 25x25x3 and supported on GI pipe pole 50mm NB confirming to IS 1239 firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete min size 45 cm x 45 cm x 60 cm, 60 cm below ground level including painting all exposed surface with 2 coats of epoxy painting over epoxy primer and as per approved drawing and clause 801 including lettering symbols etc.	Nos.	Rate Only		
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9.2	Providing and fixing object Hazard Marker	Nos	Rate only		
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9.3	Direction and informatory board larger than 0.9 sqm area	Nos	Rate only		
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9.4	Sheveron Board	Nos	Rate only		
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9.5	Repair of footpath tiles / paver block including labor & material	Sqm	15.00		
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9.6	Providing and fixing reflective road studs (Raised Pavement Marker) of ' category A' made out of ASA/HIPS/ABS moulded body with shanks and conforming to ASTM D 4280, strong enough to support a load of more than 13.635 T when tested in accordance with ASTM D 4280, reflective panel confirming to ASTM D 788, and reflectivity conforming to clause 804.4. including installation, drilling, fixing with adhesive etc. with 2 years warranty for the road stud as well as for in field performance as per clause 804.7.3	Nos	Rate only		
9.7	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 811.3	Rm	Rate only		
9.8	Supplying and installation of delineator (Road way indicators) posts 80- 100cm high above ground level, painted black and white in 15 cm wide strips, fitted with min. 80 x 100 mm rectangular or 75 mm dia circular retro reflectorised panels at the top with minimum visibility of 300m with provisions to prevent edge lifting and vandalisam, and conforming to clause 806 , IRC-79 and the drawings including fixing to ground (The deleniator shall be of approved type as per specification)	Nos	Rate only		
9.9	Routine Maintenance of LED solar street light including panel cleaning, battery water refilling. (Two times per year)	Nos	243.00		
9.10	Routine Maintenance of LED solar blinker including panel cleaning, battery water refilling. (Two times per year)	Nos	15.00		



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9.11	Routine Maintenance of highmast light	Nos	4.00		
9.12	Routine maintenance of traffic signals (Kanjirapally, Erattupetta central Jn. & Erattupetta Muttam Junction)	Nos	3.00		
9.13	Supply and Installation of blinker light battery-26 AH , EXIDE or equivalent	Nos	15.00		
9.14	Supply of 300mm Plastic 'High Visibility' colored traffic cones.	Nos	50.00		
9.15	Supply of Men at work board above 1 Sqm	Nos	10.00		
9.16	Providing and erecting a "W" metal beam crash barrier as per PRICE Code 8.23.A	RM	8.00		
<b>10</b>	<b>SUPPLY OF EQUIPMENTS FOR O&amp;M</b>				
10.1	Supply of JCB for cleaning works	Hrs	45.00		
10.2	Supply of Tipper for cleaning works	Day	7.00		
10.3	Supply of Concrete Breaker	Day	15.00		
	<b>Total Maintenance works (Civil)</b>				
<b>B</b>	<b>Part II : Supply Of PMU Labours</b>				
1	Supply of Unskilled Labours for PMU with all necessary tools & PPE	Nos	1560.00		
	<b>PMU Labour</b>				
<b>11</b>	<b>TESTING CHARGES &amp; Rentals</b>				
11.1	Total testing rates for the Road Roughness Index test on Project Road by an agency approved by the Independent Engineer (two-lane road), including transportation, toll charges, and submission of the test report etc.- Two lane road	KM	67.60		
11.2	Total testing charges for carrying out Benkelman Beam Deflection Test on Project Road by an agency approved by the Independent Engineer (two-lane road), including transportation, toll charges, and submission of the test report etc.- Two Lane road	KM	33.80		
11.3	Rental charges for IE's Field Office-1500 Sqft	Months	12.00		
	<b>Testing Charge</b>				
<b>C</b>	<b>Project Vehicle Running expenses</b>				
1	Supply of Drivers for Project vehicle at RICK Ltd	Months	12.00		
2	Supply of diesel for Project vehicles	Ltr	1350.00		

Issue No.00 / Date: 15-01-24  
Revn. No.00/ Date: NA

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3	Routine services & Repair charges for Vehicles	Ls	1.00		
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<b>Total Project vehicle running expenses</b>	-
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<b>Grand Total</b>	-
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<b>Add GST 18%</b>	-
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<b>Grand Total incl GST</b>	-
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Place:

Signature of the Contractor: