



**Telecommunications Consultants India Limited
(A Government of India Enterprise)**

TENDER DOCUMENTS

FOR

**Execution & Re-construction of Bina – Kurwai – Sironj BOT Road
Project in the State of M.P. (Ch.46+00 to Sironj Crossing)**

TENDER NO. TCIL/BPL/NIT/BKS/11-12/CIVIL/36

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SUMMARY

Execution and Reconstruction of Bina-Kurwai-Sironj BOT Road Project in the state of MP (CH 46+000 to Sironj Crossing)

Tender No.- TCIL/BPL/NIT/BKS/11-12/CIVIL/36

Item No.	Description	Amount (Rs.)	
		In figures	In words
1	SH : 1 : SITE CLEARANCE		
2	SH : 2 : EARTHWORK		
3	SH : 3 : SUBBASE AND BASE		
4	SH : 4 : BITUMINOUS WORKS		
5	SH : 5 : DRAINAGE AND FOOTPATHS		
	TOTAL AMOUNT QUOTED		

Signature of Contractor

Seal

**Execution and Reconstruction of Bina-Kurwai-Sironj BOT Road Project in the state of MP
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SH : 1 : SITE CLEARANCE

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201	6	hect			
2	Dismantling structures and pavement including disposal of resulting materials, stacking and/or salvaging useful materials with all leads and lifts complete as per Technical Specifications Clause 202					
	a) Stone/ Brick Structures	12	cum			
	b) Pipes, rails edging kerbs, masonry, parapets, concrete railings, gutters and fencing	18	Lm			
	c) Plain/ Reinforced/Lime Concrete other than culverts	6	cum			
	d) Sign Boards/ Bill Boards	24	Nr.			
	e) Kilometer/ 5th Km Stone	10	Nr.			
	f) Hectometer/ Boundary Stone/ Guard stone	42	Nr.			
	Total of Subhead – 1 SITE CLEARANCE					

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SH : 2 : EARTHWORK

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
1	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers all leads and lifts. (Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m)	9091	cum			
2	Construction of embankment with approved material obtained from approved borrow areas with all leads and lifts, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300-2, satisfying the soaked CBR value of not less than 7%, all complete as per drawing and Technical Specifications Clause 305.	30303	cum			
3	Construction of embankment with suitable materials deposited at site from roadway and drainage excavation with CBR not less than 7% complete as per Technical Specifications Clause 305, including all leads and lifts.	9091	cum			
4	Loosening and re-compacting of existing ground where the existing ground is serving/suitable as subgrade/embankment complete as per Technical Specifications Clauses 301 & 305.	30303	Cum			

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SH : 2 : EARTHWORK

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
5	Scarifying and disposal existing bituminous surface layer(s) as per Technical Specifications 202.	54545	sqm			
6	Construction of subgrade with approved material obtained from approved borrowpits with all leads and lifts, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300-2, satisfying the soaked CBR value of not less than 7%, all complete as per drawing and Technical Specifications Clause 305	48485	cum			
7	Construction of earthen shoulders with approved material obtained from approved borrowpits with CBR more than 12% with all leads and lifts, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300-2, all complete as per drawing and Technical Specifications Clause 305.	24242	cum			
	Total of Subhead – 2 EARTHWORK					

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SH : 3 : SUBBASE AND BASE

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
1.	Providing and constructing of Granular Subbase (GSB) complete as per drawing and Technical Specifications Clause 401	24840	Cum			
2.	Providing and constructing wet mix macadam (WMM) base with approved material complete as per Technical Specifications Clause 406	18614	Cum			
	Total of Subhead – 3 SUBBASE AND BASE					

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SH : 4 : BITUMINOUS WORKS

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
1.	Providing and applying bituminous Prime Coat over granular surface with bitumen emulsion complete as per Technical Specifications Clause 502 a) @ 6.0 kg per Sqm	69636	Sqm			
2.	Providing and applying bituminous Tack coat over prepared surface with bituminous emulsion all complete as per Technical Specification Clause 503	69636	Sqm			
	a) @ 2.5 kg per 10 sqm over granular surface treated with primer					
	b) @ 2.0 kg per 10 sqm over granular surface treated with primer	69636	Sqm			
3.	Dense Bituminous Concrete- Providing and laying DBM grade1 with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ minimum 4.25 % of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.507 complete in all respects	5571	Sqm			
4.	Bituminous Concrete- Providing and laying bituminous concrete grading-2 with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ minimum 5.5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects	2785	Sqm			
Total of Subhead – 4 BITUMINOUS WORKS						

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SH : 5 : DRAINAGE AND FOOTPATHS

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
1	Earthwork in excavation for foundation for structures in all types of soil excluding rock, including all lifts and leads complete as per drawing and Technical Specification Clause 304.	476	CUM			
2	Plain Cement Concrete M15 levelling course below foundation, footings etc. complete as per drawing and Technical Specification Clause 1700 and 2100.	56	CUM			
3	M20 Grade Reinforced Cement Concrete in substructure excluding reinforcement including centring and shuttering complete as per drawings and Technical Specifications Sections 1500, 1700 and 2200.	260	CUM			
4	Providing and fixing in position HYSD reinforcement complete as per drawing and Technical Specification Section 1600.	20800	KG			
5	Providing and laying kerb stones of size 115mm at top and 165mm wide at bottom total height 325mm made in CC mix M20 fixed with cement mortar 1:2 (1cement : 2 fine sand) provided on 75mm thick 265 mm wide PCC M15 bed including necessary excavation disposal of surplus earth all complete as per drawings and MORTH specification clauses 408 and 1700. (The kerb stone shall be minimum 225mm above the road level).	2000	MTR			

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SH : 4 : DRAINAGE AND FOOTPATHS

Item No.	Description	Qty	Unit	Rate (In Rs)		Amount (Rs.)
				In figures	In words	
6	Providing and laying of chequered precast cement concrete tiles 22mm thick on footpath and islands of road junctions jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and cleaning etc complete on 20mm thick bed of cement concrete 1:4(1Cement : 4 coarse sand)including preparation of CC bed of mix 1:4:8 (1cement:4 coarse sand : 8 graded stone aggregate 20mm nominal size) (a) ordinary cement without any pigment as per MORTH specification clauses 409 and 1700	1700	SQM			
7	Providing and fixing 150 mm dia PVC pipe in median in superelevated sections @15m c/c placed transversely from kerb to kerb to discharge surface runoff from one carriage way to another as per drawing and technical specifications as per instructions of Engineer-in-charge.	70	MTR			
	Total of Subhead – 5 DRAINAGE AND FOOTPATHS					