

**BILL OF QUANTITIES (Readymix M15 concrete to be arranged by the agency)**

**CONSTRUCTION OF CROSS DRAINAGE WORK (PIPE CULVERTS) ON BINA – KURWAI – SIRONJ ROAD  
IN MADHYA PRADESH**

**Tender No.TCIL/BPL/NIT/BKS/10-11/CIVIL/04/RC-I**

S.NO.	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURES	IN WORDS	
1	2	3	4	5		6
1	Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 metres. (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) including backfilling in layers as per MOSRTH specification no 301	9875	cum			
2	Laying Reinforced cement concrete pipe NP4/prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets as per MOSRTH specification no. 2900n . (RCC pipe shall be supplied free of cost with in a lead of 100 m from the actual place of laying)					
	a) 1200 mm Dia.	250	M			
	b) 1000 mm Dia.	75	M			
	c) 600 mm Dia.	250	M			
	d) 300 mm Dia.	250	M			

S.NO.	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURES	IN WORDS	
1	2	3	4	5		6
3	Laying of plain Cement concrete 1:3:6(1 cement, 3 coarse sand, 6 graded stone aggregate 20 mm nominal size) in head walls and parapet blocks of RCC pipe culverts including necessary labour, concretmixers, machinery and arrangement of water fit for Concrete as per MOSRTH specification no. 1500 and 1700all complete as per instruction of Engineer-in-Charge. (Cement upto theoritical consumption shall be supplied free of cost by TCIL	69	cum			
4	Laying of plain Cement concrete M15 grade in head walls and parapet blocks of RCC pipe culverts including necessary labour, concretmixers, machinery and arrangement of water fit for Concrete as per MOSRTH specification no. 1500 and 1700all complete as per instruction of Engineer-in-Charge. (Cement upto theoritical consumption shall be supplied free of cost by TCIL .	370	cum			
5	Construction of Embankment with Material Deposited from Roadway Cutting (Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2) as per MOSRTH specification no.305	500	cum			
6	Embankment Construction with Material Obtained from Borrow Pits (Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	500	cum			
7	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification as per MOSRTH specificatuion no. 2504	100	cum			
8	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications as per MOSRTH specification no. 2504	300	cum			
				TOTAL (IN FIGURES & WORDS)		

SIGNATURE OF CONTRACTOR  
SEAL