

BILL OF QUANTITIES - TENDER NO. TCIL/BPL/NIT/10-11/CIVIL/10
SUPPLY OF LABORATORY EQUIPMENTS FOR BINA - KURWAI - SIRONJ BOT ROAD PROJECT

S.NO.	DESCRIPTION	QTY.	UNIT	RATE ALL INCLUSIVE		AMOUNT
				In figures	In words	
1	Concrete cube moulds size 150 mmx150 mm x150 mm	18	Nos.			
2	High gravity mortar cube vibrator machine IS4031	1	Each			
3	Cube Test Machine electrical cum hand operated Capacity 200tonne three presser gauge electrical 2000KN, 1000KN, 500KN with calibration certificate	1	Set			
4a	Needle Vibrator with 2 meter Cord with 40mm needle with Diesel engine	2	Set			
4b	Needle Vibrator with 2 meter cord with 60mm needle with Diesel engine	2	Set			
4c	Extra Needle of size 40mm with 2 meter cord	2	Nr.			
4d	Extra Needle of size 60mm with 2 meter cord	2	Nr			
5	Concrete Mixer Power Driven, 1 Cu. Ft. capacity	1	Nr.			
6	Softening Point Equipment (Ring & ball apparatus) including stirrer and beaker with Electric Heater	1	Each			
7a	Viscosity cup- b4 (Flow cup) with stand Orifice dia-4 mm	1	Each			
7b	Viscosity cup- b4 (Flow cup) with stand Orifice dia-10 mm	1	Each			
10	Ductility test apparatus complete with all accessories:- Theromometer IP 38C, Range 23°C to 27°C	1	Each			
11	Centrifuge type bitumen extractor electrical operated complete with petrol/commercial benzene	1	set			
12	Flash and fire point apparatus (Pensky Martin's apparatus) with all accessories	1	set			

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				In figures	In words	
13a	Marshall stability test apparatus, complete with all accessories:- 1 no Compaction pedestal with specimen mould holder, 2 Nos Compaction rammers, 4.5 kg weight and free ball 45.7cm, 1 No. Breaking head assemble with provision to fix flow meter, 3 Nos Specimen mould 10.16 cm I.D. x 7.6 cm high with base plate and extension collar, 1 No. kit of specimen extraction, consists of one each load transfer bar, steel flow meter (dial guage) graduated 0.01 mm x 25 mm travel. Fitted with a stem brake unit to indicate maximum deflection	1	set			
13b	Extra for compaction Rammers of weight 10.2 kg	9	Each			
13c	Extra for Specimen mould 150mm dia with base plate and extension collar	3	Each			
13d	Extra for Specimen mould 10.16 cm I.D. x 7.6 cm high with base plate and extension collar	6	Each			
14a	Core Drilling Machine cum diesel engine with wheels for Asphalt / Concrete Cutter with Diamond bit 100 x 200mm & 150x300mm	1	set			

NAME AND SEAL OF AGENCY

SIGNATURE OF AGENCY