

**Schedule of Quantities**

**Nane of work : Repairing of Existing Campus Road, and Construction of WBM Road including Premix Carpet surfacing, manholes, gully pits and providing and laying of NP-2 pipes for drainages and their connection etc. at SNBNCBS Salt Lake , Kolkata - 700098 (Phase-II)**

Item No.	Description	Unit	Qty.	Rate	Amount
1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth , dressing to camber and consolidation with road roller including making good the undulation etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 meters.	sqm.	330.00		
2	Excavating trenches of required width for pipes, cables , etc including excavation for socket, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated soil , and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming watering etc. and disposing of surplus excavated soil as directed , within a lead of 50 m:				
	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	metre	355.00		
3	Providing and laying single brick flat soling of approved quality the joints with dry sand etc complete as per direction of Engineer in Charge.	sqm.	330.00		
4	Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and booming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	cum.	33.00		
5	Laying water bound macadam sub-base with brick aggregate and blinding material earth etc. including screening , sorting and spreading to template and consolidation with light power road-roller etc. complete.(payment for brick aggregate and moorum etc. to be made separately)				
	Over burnt ( Jhama ) brick aggregate 90 mm to 45 mm	cum.	49.50		
6	Scarifying metallad (water-bound) road surface including disposal of rubbish lead upto 50 m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10 tonne capacity.	sqm	1455.00		
7	Providing and applying tack coat using hot straight run bitumen of grade 80/100 including heating the bitumen , spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler , cleaning and preparing the existing road surface as per specifications				
	On bituminous surface @ 0.50 kg / sqm	sqm	1785.00		
8	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg. and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc, complete (tack coat to be paid for separately)				
	With paving Asphalt 80/100	sqm	1785.00		
9	Providing and laying seal coat of premixed fine aggregate ( passing 2.36 mm and retained on 180 micron sieve ) with bitumen using 128 kg of bitumen of grade 80 / 100 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete.	sqm	1785.00		

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<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Amount</b>
10	Supplying and laying kerb stone ( 600 x 375 x 100 ) mm chisel dressed on top and side including fixing in cement mortar 1:4 ( 1 cement : 4 Coarse sand ) and pointing with cement mortar 1 : 4 ( 1 cement : 4 coarse sand) including making drainage opening, where required.	m	122.00		
11	Providing, laying and fixing channel stones ( 600 x 372 x 100) mm chisel dressed on top and side in cement mortar 1:4 ( 1 cement : 4 Coarse sand ) along the edge of the road including pointing with cement mortar 1 : 4 ( 1 cement : 4 coarse sand).	m	122.00		
12	Supplying and stacking at site.				
	1) 63 mm to 45 mm size stone aggregate	cum	43.00		
	2) Over burnt ( Jhama ) brick aggregate 90 mm to 45 mm	cum	65.00		
	3) Stone screenings 13.2 mm nominal size (Type A)	cum	7.00		
	4) Moorum / Stone Dust	cum	4.00		
13	Providing and laying non-pressure NP2 class (light duty) R.C.C pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2fine sand ) including testing of joints etc. complete.				
a)	250 mm dia R.C.C.pipe	per m	60.00		
b)	300 mm dia R.C.C.pipe	per m	295.00		
14	construting brick masonry road gully chamber 50x45x60 cm with brick of class designation 75 in cement mortar 1:4 (1 cement : 4 fine sand ) including 500 x450 mm precast R.C.C horizontal grating with frame complete as per standard design				
	With F.P.S. bricks	nos.	6		
15	Making connection of drain or sewer line with exsisting manhole / road gully chamber including brecking into and making good the walls floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size ) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floting coat of neat cement and making necessary channels for the drain etc. complete				
	For pipes 250 to 300 mm diameter	Each	95.00		
16	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately):				
	Rectangular manhole 90 x 80 cm with rectangular cover 600 x 450 mm of grade LD-2.5	each	12.00		
<b>Total</b>					
<b>In words Rupees .....only</b>					