

BOQ FOR PROPOSED CONSTRUCTION OF NEW BITUMINOUS ROAD AND REPAIRING & RECARPETING OF EXISTING BITUMEN ROAD AT STATE BANK INSTITUTE OF RURAL BANKING LINGAMPALLY, HYDERABAD TELANGANA

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
I	ROAD WORK				
1	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled materials out side the campus and as per the direction of incharge	CUM	139.00		
	EARTH WORK & EXCAVATION				
2	Earth work excavation by mechanical means (Hydraulic excavator)/manual means over (exceeding 30cm in depth.1.5 m in width as well as 10 sqm on plan) including bailing out of water (Both Rain and Ground Water), disposal excess excavated earth outside SBSC campus in designated areas of local authorities, and lift up to 3.0 m, disposed earth to be levelled and neatly dressed, including labour,necessary tools &tackels, Machinery complete as directed by Bank/ Architect.				
2.1	Lift upto 1.5 M	CUM	190.00		
	PLAIN & REINFORCED CEMENT CONCRETE				
3	Providing and laying plain cement concrete 1:4:8 (1: cement 4: coarse sand 8: graded stone aggregate 40mm nominal size) using H. B. G coarse graded aggregate of 40 mm and down size for levelling course under footings, steps, walls, platform etc., including laying layers of specified thickness in alternative bays not exceeding 10 sqm including form work wherever necessary and well compacted etc., including labour ,necessary tools &tackles ,cost of cement complete etc as directed by Bank / Architect.	CUM	31.00		
4	Supplying and laying plain cement concrete (1:1½:3) (1 Cement :1.5 Coarse sand : 3 Graded stone aggregate of size 20mm) in all levelling courses under foundations, pipelines, pits, under floors etc., at all depths/levels complete using 20mm graded stone aggregate but including cost of cement, labour,necessary tools & tackles including form work complete as directed by Bank / Architect.	CUM	56.00		
	PLASTERING & SURFACE TREATMENT				
5	Providing and applying two coats of Synthetic Enamel paint of approved brand, colour over the existing wood/steel surface including one coat of primer, preparation of surface to give even finish including cost of scaffolding brushes etc., complete for finished item of work at site as per the directed by Bank / Architect.	SQM	1097.00		
6	Providing & laying 12 mm thick cement Plaster to Internal walls sides of drain etc. in cement mortar 1 : 4 (1 cement : 4 sand; 75% fine sand & 25% coarse sand) on plain side of wall or R.C.C. surface , Rate shall include cost of cement, surface preparation, hacking, cleaning, curing, labour, necessary tools&tackles and scaffolding etc. complete for all levels and heights as per the directions of Bank / Architect.	SQM	57.00		

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7	Providing and laying of 200mm brick work using locally available best CC flyash/Red earth bricks of approved quality with compressive strength not less than 35kgs/sqcm in CM 1:6 (1cement:6 coarse sand) including racking joints scaffolding, curing etc the rate includes including cost of cement, labour , necessary tools &tackles complete for finished item of work at site as directed by Bank / Architect.	CUM	14.00		
8	Supply and fixing of FRP moulded gratings of size 326x1006x40 mm height on the top of drain including all lead lifts etc complete for the finished item of work	EACH	50.00		
9	Providing and laying at or near ground level factory made New kerb stone size 600x200x300 mm of M-25 grade cement in position to the required line , level and curvature jointed with cement motor 1:3 (1 cement :3 coarse sand) including making joints with or with out grooves (thickness of jionts except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc .as per direction of Engineer-in- charge (length of finished kerb edging shall be measured for payment). precast C.C.kerb stone shall be approved by Bank / Architect).	CUM	6.00		
10	Removing and refixing the existing kerb stone including excavation pcc and refilling in position to the required line , level and curvature jointed with cement motor 1:3 (1 cement :3coarse sand) including making joints with or with out grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc .as per direction of Engineer-in- charge (length of finished kerb edging shall be measured for payment). precast C.C.kerb stone shall be approved by Bank / Architect).	RMT	300.00		
	BITUMEN ROAD WORK				
11	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achievethe desired density, complete as per specifications and directions of Engineer-in-Charge. W.M.M 300mm in two layers 150+150mm	CUM	83.00		
12	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, complete etc as per the directions of Bank / Architect.	SQM	5343.00		
13	Cleaning the existing surface with blower and filling pot holes providing and laying 2.5 cm premix carpet surfacing with 3 cum of stone chippings 10mm nominal size per 100 sqm and bitumen emulsion (medium setting min. 65%bitumen content s) complying with IS : 8887-1995 using 96 per cum of chippings of road surface including consolidation with road rollar etc complete (tack coat to be paid for separately) as per the directions of Bank / Architect. (Proper drainage slopes to be provided for easy run off water)	SQM	5343.00		

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
14	Providing and laying Seal coat of premixed fine aggregate (passing 2.36mm and retained on 180 micron seive) with bitumen using 128 kg of bitumen of grade 80/100 bitumen per cum of fine aggregate and 60 cum of fine aggregate per 100 sqm of road surface including rolling and finishing with road roller all complete as per the directions of Bank / Architect.	SQM	5343.00		
15	Providing and laying non-pressure NP2 class (lightduty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc., the rate includes cost of cement, labour, necessary tools &tackles complete etc as per the directions of Bank / Architect.				
15.1	300mm dia.R.C.C. pipe	RMT	10.00		
16	Construction of Rain Water harvesting pit of size 2x2x1.5 mts including earth work excavation and filling with boulders filled with moorum, up to a depth of 1.2 M, Over 0.6M filled with HBG 40mm , Rest 0.6M with Natural sand including all leads, lifts, etc complete	EACH	2.00		
DISMANTELING OF BRICK MASONRY					
17	Dismantling of brick work in all heights including scaffolding , cleaning and disposal to out side the permises as directed by Bank / Architect.(near auditorium)	CUM	3.00		
18	Removing and refixing of electrical poles including excavation, concreting for pedestals in cc 1:2:4 including form work and making all necessary connections in electrical etc complete item of work	NOS	10.00		
19	Removing and refixing of existing saucer drains (along the front boundary wall) including excavation PCC (1:4:8) etc complete and provide proper slopes to drain of rain water.	RMT	100.00		
INTERNAL ELECTRIFICATION					
20	Supply, laying , testing & commissioning of 4C x 10 sq.mm 1.1KVgrade XLPE insulated armoured copper conductor underground cable, including excavation for all types of soil providing protection with sand cushioning of 100mm min and country brick protection on top and backfilling of excavated smooth soil complete with end terminatoin lugs etc, providing cable route markers at every 50m interval.	RMT	100.00		
20.1	Supply and laying of 8 swg gi wire	RMT	100.00		
21	Supply and erection of 60mm dia 5mtrs height GI pole including base plate, painting with one coat of silver paint over two coats of red oxide including excavation, concreting refilling coping, coil earthing with GI pipe complete as directed site engineering in charge.	EACH	6.00		
22	Supply, fabrication and fixing of 50mm dia, 600m long GI single arm pipe for fixing street light fitting of any approved make, similar to cat ref No. BSLST 20LED of M/s. Bajaj make complete as the painting nuts and bolts as directed.	EACH	6.00		

S.No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
23	Supply, installation and commissioning of white LED lamp street light fillings of any approved make similar to cat ref No. BSLST 20 of M/s. Bjjaj Electricals including necessary accessores	EACH	6.00		
24	Supply and fixing of terminal box at the bottom of the pole (0.6meter from finished ground floor level) of size 6" x 4" x 3" deep with 1 No. 10A S.P MCB and 1 No. 4 way connector complete with door painting and earthing	EACH	6.00		
25	Supply, laying , testing & commissioning of following size 1.1KVgrade XLPE insulated armoured copper conductor underground cable, including excavation for all types of soil providing protection with sand cushining of 100mm min and country brick protection on top and backfilling of excavated smooth soil complete with end terminatoin lugs etc, providing cable route markers				
25.1	4Core 16sq.mm	RMT	40.00		
25.2	4Core 6sq.mm	RMT	150.00		
26	Supply and laying of following 100mm dia NP 2 grade RCC hume pipes with collars for road crossings,laid 750 mm below ground level including excavation , backfilling and other civil engineering works.	RMT	15.00		
27	Supply and laying of following 50mm dia GI pipe pipe for road crossings at main gate entry,laid 750 mm below ground level including excavation , backfilling and other civil engineering works.	RMT	15.00		
28	Removing and re fixing of existing lights. The scope of work includes removing and laying of existing cables	Job	1.00		
A	TOTAL			Rs.	
B	% DISCOUNT IF ANY ON SL.NO. A			Rs.	
	GRAND TOTAL (S.NO.A - S.NO. B)			Rs.	
	Note: Rate Quoted are Excluding GST				