

Price Schedule-1

Name of work:-Construction of Bituminous Road after Scarifying existing Bituminous (Road) surface from Main Access road towards Type III unit 3,4,5,6 and SLDC security booth joining main access road . (East Side of Access Road, No 1)

Name and Address of Bidder:

SI. No.	Description of items	Qty.	Unit	Rate (Rs)	Amount (Rs)
(A)	CIVIL WORKS				
1	<p>Clearing and grubbing road land.d of 1000m Clearing and grubbing road land including uprooting wild vegetation, grass, bushes,shurbs,saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier and disposal of unserviceable material to be used or auctioned, upto a led of 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201 i By manual means A) In area of non Throny jungle</p> <p align="right">2 X 212.00 X 1 = 424.00 = 424 Total = 0.042</p>	0.0424	Hectare		
2	<p>Scarifying existing Bituminous surface to a depth of 150mm by mechanical means Scarifying existing Bituminous surface to a depth of 150mm and disposal of scarified material with a lift upto 3 m and lead upto 1000m as per technical specification clause 301.4</p> <p align="right">3 X 8.00 X $\frac{6.50 + 3.00}{2}$ = 114.00 1 X 8.00 X $\frac{10.00 + 3.00}{2}$ = 52.00 1 X 180 X 3.00 = 540.00 Total = 706.00</p>	706.00	Sqm		
3	<p>Construction of sub grade and earthen shoulders Construction of sub grade and earthen shoulders with approved material obtained from borrow pits with all lift and leads transporting to site, speading, grading to required slope and compacted to meet requirement of table 300.2 with lead upto 1000 m as pe technical specification clause 303.1 i) private land 200 mm thick</p>				

		1	x	212.00	X	60.00	X	0.20	=	25.44				
								Total	=	25.44	25.44	Cum		
4	Excavation in Ordinary Soil (i) Excavation in Cutting in Soil by manual means with lead upto 50 m Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3 (Manual method should be adopted where machines can not be deployed due to site condition) 200 mm thick													
		1	x	212.00	X	0.60	X	0.20	=	25.44				
								Total	=	25.44	25.44	Cum		
5	Cost of Haulage excluding loading and unloading. i) Surface road. Quarry distance = 40 - 5 KM = 35 KM Total quantity = GSB + WBM = 19.08 + 52.95 = 72.03 @ Rs.16.00 cum/ km = 35.00 x 16.00 = 560.00													
											72.03	Cum		
6	Granular Sub Base with well graded material A) By Mix in place method Construction of granular sub base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator t OMC , and compacting with smooth wheel roller to achieve the desired density, compaction as per technical specification clause 401 A) for grading I materials													
		2	x	212.00	X	0.60	X	0.075	=	19.08				
								Total	=	19.08	19.08	Cum		

7	<p>Water Bound Macadam Sub-base/base 1) WBM grading 1 Using stone screening type-A 13.2 mm for Gr. I Providing, laying, spreading and compacting stone aggregates of specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and chamber , applying nad brooming, stone screening/ binding materials to fillup the interstices of coarse aggregate, watering and compacting to the required density grading 1 as per technical specification clause 404 A) By manual means</p> $3 \times 8.00 \times \frac{6.50}{2} + 3.00 \times 0.075 = 8.55$ $1 \times 8.00 \times \frac{10.00}{2} + 3.00 \times 0.075 = 3.90$ $1 \times 180 \times 3.00 \times 0.075 = 40.50$ <p style="text-align: right;">Total = 52.95</p>	52.95	Cum		
8	<p>Prime Coat i) Providing and applying Primer coat with bituminous emulsion (SS 1) on the prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 -1.0 kg/sqm using mechanical means as per technical specification clause 502</p> $3 \times 8.00 \times \frac{6.50}{2} + 3.00 = 114.00$ $1 \times 8.00 \times \frac{10.00}{2} + 3.00 = 52.00$ $1 \times 180 \times 3.00 = 540.00$ <p style="text-align: right;">Total = 706.00</p>	706.00	Sqm		
9	<p>Tack Coat i) Providing and applying tack coat with bituminous emulsion (RS 1) using emulsion distributor at the rate of 0.20 to 0.25 kg pwe sqm on the prepared bituminous surface with hydrolic broom as per technical specification clause 503</p> $3 \times 2 \times 8.00 \times \frac{6.50}{2} + 3.00 = 228.00$ $1 \times 2 \times 8.00 \times \frac{10.00}{2} + 3.00 = 104.00$ $1 \times 180 \times 3.00 = 1080.00$				

		Total = 1412.00	1412.00	Sqm	
10	<p>Bituminous Macaddam</p> <p>i) Providing and laying bituminous macadam with hot mix plant using crushed aggregates of grading as per table 500.4 premixed with bituminous binder, transported to site upto a lead od 1000 m laid over a previously prepared surface with paver finisher to te required grade, level and alignment and rolled to achieve the desired compaction as per Technical specification Clause 504.</p>	$3 \times 8.00 \times \frac{6.50 + 3.00}{2} \times 0.02 = 0.76$ $1 \times 8.00 \times \frac{10.00 + 3.00}{2} \times 0.02 = 1.04$ $1 \times 180 \times 3.00 \times 0.02 = 10.80$			
		Total = 12.60	12.60	Cum	
11	<p>Providing and laying seal coatsealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using type A, type B and type C as per technical specification clause 510</p> <p>A Manual means Case I Type A I Bitumen (S -90)</p>	$3 \times 8.00 \times \frac{6.50 + 3.00}{2} = 114.00$ $1 \times 8.00 \times \frac{10.00 + 3.00}{2} = 52.00$ $1 \times 180 \times 3.00 = 540.00$			
		Total = 706.00	706.00	Sqm	
Total=					
Add GST @18%=					
Grand Total =					
Say =					

Price Schedule-2

Name of work:- Construction of Bituminous Road after Scarifying existing Bituminous (Road) surface from Club House road intersection point towards APDCL SS, Type III, Type II quarters and Joining road intersection point near Culvert. (East Side of Access Road, No 2)

Name and address of Bidder:-

Sl. No.	Description of items	Qty.	Unit	Rate (Rs)	Amount (Rs)
(A)	CIVIL WORKS				
1	<p>Clearing and grubbing road land of 1000m</p> <p>Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier and disposal of unserviceable material to be used or auctioned, upto a lead of 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201</p> <p>i By manual means</p> <p>A) In area of non Thorny jungle</p> <p align="right">2 x 288.00 x 1.00 = 576.00</p> <p align="right">Total = 0.0576</p>	0.0576	Hectare		
2	<p>Scarifying existing Bituminous surface to a depth of 150mm by mechanical means</p> <p>Scarifying existing Bituminous surface to a depth of 150mm and disposal of scarified material with a lift upto 3 m and lead upto 1000m as per technical specification clause 301.4</p> <p align="right">3 x 8.00 x $\frac{6.50 + 3.00}{2}$ = 114.00</p> <p align="right">1 x 264.00 x 3.00 = 792.00</p> <p align="right">Total = 906.00</p>	906.00	Sqm		
3	<p>Construction of sub grade and earthen shoulders</p> <p>Construction of sub grade and earthen shoulders with approved material obtained from borrow pits with all lift and leads transporting to site, spreading, grading to required slope and compacted to meet requirement of table 300.2 with lead upto 1000 m as per technical specification clause 303.1</p> <p>i) private land</p> <p>200 mm thick</p> <p align="right">1 x 150.00 x 0.45 x 0.20 = 13.50</p> <p align="right">Total = 13.50</p>	13.50	Cum		
4	<p>Excavation in Ordinary Soil Excavation in Ordinary Soil</p> <p>(i) Excavation in Cutting in Soil by manual means with lead upto 50 m Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3 (Manual method should be adopted where machines can not be deployed due to site condition)</p> <p>200 mm thick</p> <p align="right">1 x 150.00 x 0.6 x 0.20 = 18.00</p> <p align="right">Total = 18.00</p>	18.00	Cum		
5	<p>Cost of Haulage excluding loading and unloading.</p> <p>i) Surface road.</p>				

	<p>Quarry distance = 40 - 5 KM</p> <p>= 35 KM</p> <p>Total quantity = GSB + WBM</p> <p>= 19.44 + 67.95</p> <p>= 87.39</p> <p>@ Rs.16.00 Cum/ km</p> <p>= 35.00 x 16.00</p> <p>= 560.00</p>						
		87.39	Cum				
6	<p>Granular Sub Base with well graded material</p> <p>A) By Mix in place method</p> <p>Construction of granular sub base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator t OMC , and compacting with smooth wheel roller to achieve the desired density, compaction as per technical specification clause 401</p> <p>A) for grading I materials</p>						
		2 x 288.00 x 0.45 x 0.075 = 19.44					
		Total = 19.44	19.44	Cum			
7	<p>Water Bound Macadam Sub-base/base</p> <p>1) WBM grading 1</p> <p>Using stone screening type-A 13.2 mm for Gr. I</p> <p>Providing, laying, spreading and compacting stone aggregates of specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and chamber , applying nad brooming, stone screening/ binding materials to fillup the interstices of coarse aggregate, watering and compacting to the required density grading 1 as per technical specification clause 404</p> <p>A) By manual means</p>						
		3 x 8.00 x $\frac{6.50 + 3.00}{2}$ x 0.075 = 8.55					
		1 x 264 x 3.00 x 0.075 = 59.40					
		Total = 67.95	67.95	Cum			
8	<p>Prime Coat</p> <p>i) Providing and applying Primer coat with bituminous emulsion (SS 1) on the prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 -1.0 kg/sqm using mechanical means as per technical specification clause 502</p>						
		3 x 8.00 x $\frac{6.50 + 3.00}{2}$ = 114.00					
		1 x 264 x 3.00 = 792.00					
		= 906.00	906.00	Sqm			
9	<p>Tack Coat</p> <p>i) Providing and applying tack coat with bituminous emulsion (RS 1) using emulsion distributor at the rate of 0.20 to 0.25 kg pwe sqm on the prepared bituminous surface with hydraulic broom as per technical specification clause 503</p>						

		$3 \times 2 \times 8.00 \times \frac{6.50 + 3.00}{2} = 228.00$ $2 \times 264.00 \times 3.00 = 1584.00$ $\text{Total} = 1812.00$	1812.00	Sqm		
10	Bituminous Macaddam i) Providing and laying bituminous macadam with hot mix plant using crushed aggregates of grading as per table 500.4 premixed with bitumious binder, transported to site upto a lead od 1000 m laid over a previously prepared surface with paver finisher to te required grade, level and alignment and rolled to achieve the desired compaction as per Technical specification Clause 504.	$3 \times 8.00 \times \frac{6.50 + 3.00}{2} \times 0.02 = 0.76$ $1 \times 264.00 \times 3.00 \times 0.02 = 15.84$ $\text{Total} = 16.60$	16.60	Cum		
11	Providing and laying seal coatsealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using type A, type B and type C as per technical specification clause 510 A Manual means Case I Type A I Bitumen (S -90)	$3 \times 8.00 \times \frac{6.50 + 3.00}{2} = 114.00$ $1 \times 264.00 \times 3.00 = 792.00$ $\text{Total} = 906.00$	906.00	Sqm		
					Total=	
					Add 18% GST=	
					Grand Total =	
					Say =	