

SCHEDULE 'A'**Annexure: I****Name of work :- Asphaltting of Roads in BHEL Township (Phase-III).**

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1	5.2	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per relevant clauses of section-500				
	(i)	0.25 kg per sqm (normal bituminous surfaces)	90000.00	sqm	9.00	810000.00
	(ii)	0.40 kg per sqm (non-bituminous surfaces) granular base not primed.	15000.00	sqm	14.00	210000.00
2	5.3	Providing and laying bituminous macadam with hot mix plant using crushed aggregates of specified grading premixed with bituminous binder transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction complete in all respect and as per relevant clauses of section-500.				
	(ii)	for Grading II (50-75 mm thickness) bitumen content 3.4%	4000.00	cum	3890.00	15560000.00
3	5.4	Providing and laying levelling course/profile corrective course with bituminous macadam with hot mix plant using crushed aggregate of grading 1 premixed with bituminous binder @ 3.1%, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction complete in all respect and as per relevant clauses of section-500.				
			1000.00	cum	3657.00	3657000.00
4	5.5	Providing, laying and rolling of built-up-spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates, key stone chips spreader may be used with application of bituminous binder after each layer and with key aggregates placed on top of the second layer to serve as a base conforming to the line grades and cross sections specified the compacted layer thickness being 75 mm and as per relevant clauses of section-500.				
			13200.00	sqm	174.00	2296800.00

Note: This shall be measured in cum and converted into sqm for purpose of payment.

- 5 5.13** . Providing, laying and rolling of close-graded premix surfacing/ mixed seal surfacing material of 20 mm thickness composed of 11.2mm to 0.09mm (type-a) or 13.2mm to 0.09mm (type-b) aggregates using penetration grade bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, i/c mixing in a suitable plant, laying and rolling with a smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade and as per relevant clauses of section – 500.
(A) or Type – (B) aggregate

(i) With 60/70 bitumen 105000.00 sqm 110.00 11550000.00

- 6 8.10** Road marking with applied thermoplastic compound with reflectorising glass beads on bituminous surface (providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes and as per relevant clause of section-800.

700.00 sqm 625.00 437500.00

Total Rs. 34521300.00

Note: Photos of all roads before commencement of work, during progress of work and on completion shall be taken at their own cost and submitted to planning section before preparation of bill.

Percentage quoted by the Contractor	%	Above	Below	At Par
Percentage quoted by the Contractor in words				

Signature of Contractor

Signature of Officer

SCHEDULE 'A'**Annexure: II****Name of work :- Asphaltting of Roads in BHEL Township (Ph**

Base on DSR 2007

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1	15.43	Dismantling manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer Incharge.				
	15.43.1	Water bound macadam road	200.00	sqm	34.30	6860.00
2	15.43	Dismantling manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer Incharge.				
	15.43.2	Bituminous road	200.00	sqm	66.30	13260.00
3	16.9	Scarifying metalled (water-bound) road surface including disposal of rubbish lead upto 50 meters and consolidation of the aggregate received from scarifying with power road roller of 8-10 tonne capacity.	1250.00	sqm	6.45	8062.50
4	16.1	Preparation and consolidation of sub grade with power road roller of 8-12 tonne capacity after excavated earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulation etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 meters.	200.00	sqm	33.90	6780.00
5	16.3	Supplying and stacking at site.				
	16.3.2	63 mm to 45 mm size stone aggregate	200.00	cum	768.45	153690.00
6	16.3	Supplying and stacking at site.				
	16.3.3	53 mm to 22.4 mm size stone aggregate	550.00	cum	810.55	445802.50
7	16.4	Laying spreading and compacting of stone aggregate of specified size to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne in stage to proper grade and camber, applying and brooming requisite type of screening/ binding material to fill up interstices of coarse aggregate watering and compacting to required density.	700.00	cum	192.55	134785.00
8	16.3	Supplying and stacking at site.				
	16.3.10	Moorum	250.00	cum	421.85	105462.50

9	16.3	Supplying and stacking at site.				
	16.3.6	Stone screening 13.2 mm nominal size (Type-A)	150.00	cum	892.25	133837.50
10	16.3	Supplying and stacking at site.				
	16.3.7	Stone screening 11.2 mm nominal size (Type-B)	100.00	cum	979.40	97940.00
11	2.10	Excavation trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 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:				
	2.10.1	All kinds of soil.				
	2.10.1.2	Pipes, cables, etc. exceeding 80 mm dia but not exceeding 300 mm dia.	50.00	Mtr.	115.05	5752.50
12	2.10.1.3	Pipes, cables, etc. exceeding 300 mm dia but not exceeding 600 mm dia.	100.00	Mtr.	179.65	17965.00
13	19.6	Providing and laying non-pressure NP2 class (light duty) RCC 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. complete.				
	19.6.4	300 mm dia. RCC pipe	30.00	Mtr.	338.75	10162.50
14	19.6.5	450 mm dia. RCC pipe	50.00	Mtr.	499.55	24977.50

Total Rs : 1165337.50

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