

**INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIM), JAMMU**  
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

**NAME OF WORK: - Premix carpet surfacing of all internal roads in the Institute Campus at IIM, Jammu.**

**SCHEDULE OF QUANTITIES**

S.N.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1.	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil	960.00	Sqm		
2.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:1½:3 (1 Cement: 1½ coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	99.00	Cum		
3.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	87.00	Cum		
4.	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, 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 I sqm	5870.58	Sqm		
5.	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				

	<p>respectively, including a 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 grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt</p>	5870.58	Sqm		
6.	<p>Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy : For 50mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG - 10 @ 50 kg/ 10 sqm.</p>	663.00	Sqm		
7.	<p>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 VG - 10 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.</p>	5870.58	Sqm		
8.	<p>Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with</p>				

	road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. and lining out complete. New work (Two or more coats)	343.75	Sqm		
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**Note:**

- 1. The contractor will have to use only (mechanical paver) mixing and asphalt hot mix plant laying Bitumen concrete and Premix carpet surface work.**
- 2. Tack coat using hot straight run bitumen of grade VG - 10, spraying the bitumen through mechanically operated spray unit only.**
- 3. Painting runway/taxi track/apron marking with mechanically operated unit only**

**Rates shall be quoted in figures and words both for each item. Calculation of the amount of each item and total cost shall be written by the contractor in BOQ of the tender document clearly, failing which tender may be rejected.**

Signature of Contractor