

**SECTION-C9**  
**SITE SURFACING**

SECTION-C9

SITE SURFACING

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	SITE SURFACING			
1.00.00	GENERAL REQUIRMENTS			
1.01.00	The material required for site surfacing/gravel filling shall be free from all types of organic materials and shall be of approved quality, and as directed by Engineer.			
1.02.00	The Contractor shall furnish and install the site surfacing to the lines and grades as shown in the drawing and in accordance with the requirements and direction of Engineer. The soil of the entire switchyard area shall be subjected to sterilization/anti- weed treatment before placing the site surfacing/gravel fill material or strictly as per instruction/required for soil sterilization/anti-weed treatment. After all the structures and equipment have been erected and accepted, and soil sterilization as specified is completed the site shall be rolled/compacted by using 3 ton roller with suitable water sprinkling to form a smooth and compact surface condition.			
1.03.00	After the soil sterilization material is applied and surface is prepared/compacted to the required slope/grade a base layer of broken stone of 20mm nominal size shall be spread and rolled/compacted by using 1/2 tonne roller with 4 to 5 passes and water sprinkling to form a minimum 75mm layer on the entire substation site.			
1.04.00	As a final surface course minimum 75mm uniform layer of broken stone of 40mm nominal size as specified shall be spread over the base layer/course. This final surface course shall be applied in all areas exclusive of roadways and shall extend beyond the fenced area as indicated in the drawing. This surface course shall then compacted by light roller (by 1/2 tonne roller and 4 to 5 passes) or any other means with water sprinkling as directed by Engineer. Water shall be sprinkled as directed by Engineer. Water shall be sprinkled in such a manner that bulking does not take place.			
1.05.00	In areas that are considered by Consultant/Engineer to be too congested with foundations and structures for proper rolling of the site base course material by compacted by hand if necessary. Due care shall be exercised so as not to damage any foundation structure or equipment during rolling compaction.			
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2.00.00	<b>ANTI-WEED TREATMENT</b>
2.01.00	Before gravel filling, the top layer of the soil shall be treated for anti-weed considering the weed found in the vicinity. The anti-weed/soil sterilization chemical shall be procured from reputed manufacturer. The Contractor shall submit necessary details pertaining to anti-weed/soil sterilization such as manufacturer's name their specification, test certificate etc for owners approval.
2.02.00	Any modification , if required in the proposed antiweed treatment chemicals shall have to be done by the bidder at no extra cost to owner.
2.03.00	The Contractor shall be required to furnish a performance guarantee of three years for the antiweed treatment. This guarantee shall commence from the date of completion of work or date of handing over, whichever is later.
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