

A. Technical Specifications

#	Material Name	Specifications	Quantity	Unit	Reference Pictures
1.	Lime stone	- Strong masonry stones, all faces new fractured, approximate 40cmX40cm size and not less than 15cm thickness.	260	m3	
2.	Crushed lime stone	- Providing and supplying clean crushed lime stone materials for subbase layer "S.O.R.B - R7".	240	m3	
3.	Cement	- Provide & supply Ordinary Portland Cement, best type, production date not older than 4 weeks at date of delivery. Cement shall be in the form of bags.	29	Ton	
4.	Garden Sand	- Providing clean and sieved garden sand. - Should be free from plants, plant's seeds, tree roots, and any other impurities.	1540	m3	

5.	Crushed gravel	<ul style="list-style-type: none"> - Providing and supplying clean, gradual and washed crushed gravel, best quality from natural sources for concrete works. - The gravel should have two or more fractured faces. The standard to be considered is IQS No.45/1984 (5mm-14mm). 	10	m ³	
6.	Sand	<ul style="list-style-type: none"> - Providing and supplying clean and washed sand from natural sources. 	70	m ³	
7.	Crushed sand	<ul style="list-style-type: none"> - Provide and supply clean and washed crushed sand. - Free of clay. - The sources must be gravel not lime stone. - The standard to be considered is IQS No.45/1984 for zone 1. - Passing sieve No. 200 must not be more than 15% . 	70	m ³	

B. DELIVERY TIME AND DELIVERY LOCATION

- All materials must be supplied by normal trucks (approx. 10 cubic capacity) not big Lorries which carry 20 cubic meters or more.
- Supplier must specify delivery time in bid form. The time of delivering quantities to the destinations will be discussed with the supplier and agreed in the kick-off meeting before starting the delivery process.
- See the attached delivery schedules for Quantities and Destinations.

C. REMARKS AND CONDITIONS

1. All the works shall be executed according to specifications in Annex 1, attached Schedule and reference pictures, and other contract documents and the instructions of GIZ Engineering unit.
2. The supplier must follow the delivery schedules attached, with continues coordination with site Engineer.

3. All sampling and testing shall be performed according to the “Construction works specification of the National Center of Construction laboratories of Iraq (NCCL)”. The tests will be decided by the project engineer..
4. Laboratory test costs are included in the price
5. The contractor shall undertake the implementation of the project within the BOQ quantities & amount.
6. In case any conflict between GIZ and supplier regarding the quality check of the product, Duhok construction laboratory will be the reference to check the quality of the material.

D. Transportation

- Providing, Supplying, Transportation, Loading, Unloading and finishing work costs are included.
- All police traffic permissions and local authorities' permissions should be guaranteed by supplier.
- All materials should not be unloaded to the sites, unless checked, approved, quantified, and allocated by the supervisor.