



مقايضة خضوية: أصل جسر الترابي والأصق لعناية المشروع الطائر التلويدي (سريع) (الذين مستأقلمتكمه لإدارة الملقن خلدو ح)

رئيس الأمانة المركزية م/تمس محمد نصر طايخ التوقيع /	مدير المخططات م/أحمد عيسى التوقيع /	مهندس كهرباء م/أحمد عيسى التوقيع /	مهندس ميكانيكا م/أحمد عيسى التوقيع /	مهندس بنية م/أحمد عيسى التوقيع /
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مقابلة شخصية: استاذ الجسر القاري والاتصال فاستاذة لمطروح القطار الشيرازي المربع (التي) السلطة المختصة (التي) لدية (التي) حطوط)
تواريخ الترميم: استاذ مدير القطار الشيرازي المربع السلطة (١٩٠٠-١٩٠٧) (١٩١٤-١٩١٧) عند (١٩١٧-١٩٢٠) عند (١٩٢٠-١٩٢٢) (١٩٢٢-١٩٢٤) (١٩٢٤-١٩٢٦) (١٩٢٦-١٩٢٨) (١٩٢٨-١٩٣٠) (١٩٣٠-١٩٣٢) (١٩٣٢-١٩٣٤) (١٩٣٤-١٩٣٦) (١٩٣٦-١٩٣٨) (١٩٣٨-١٩٤٠) (١٩٤٠-١٩٤٢) (١٩٤٢-١٩٤٤) (١٩٤٤-١٩٤٦) (١٩٤٦-١٩٤٨) (١٩٤٨-١٩٥٠) (١٩٥٠-١٩٥٢) (١٩٥٢-١٩٥٤) (١٩٥٤-١٩٥٦) (١٩٥٦-١٩٥٨) (١٩٥٨-١٩٦٠) (١٩٦٠-١٩٦٢) (١٩٦٢-١٩٦٤) (١٩٦٤-١٩٦٦) (١٩٦٦-١٩٦٨) (١٩٦٨-١٩٧٠) (١٩٧٠-١٩٧٢) (١٩٧٢-١٩٧٤) (١٩٧٤-١٩٧٦) (١٩٧٦-١٩٧٨) (١٩٧٨-١٩٨٠) (١٩٨٠-١٩٨٢) (١٩٨٢-١٩٨٤) (١٩٨٤-١٩٨٦) (١٩٨٦-١٩٨٨) (١٩٨٨-١٩٩٠) (١٩٩٠-١٩٩٢) (١٩٩٢-١٩٩٤) (١٩٩٤-١٩٩٦) (١٩٩٦-١٩٩٨) (١٩٩٨-٢٠٠٠) (٢٠٠٠-٢٠٠٢) (٢٠٠٢-٢٠٠٤) (٢٠٠٤-٢٠٠٦) (٢٠٠٦-٢٠٠٨) (٢٠٠٨-٢٠١٠) (٢٠١٠-٢٠١٢) (٢٠١٢-٢٠١٤) (٢٠١٤-٢٠١٦) (٢٠١٦-٢٠١٨) (٢٠١٨-٢٠٢٠) (٢٠٢٠-٢٠٢٢) (٢٠٢٢-٢٠٢٤) (٢٠٢٤-٢٠٢٦) (٢٠٢٦-٢٠٢٨) (٢٠٢٨-٢٠٣٠) (٢٠٣٠-٢٠٣٢) (٢٠٣٢-٢٠٣٤) (٢٠٣٤-٢٠٣٦) (٢٠٣٦-٢٠٣٨) (٢٠٣٨-٢٠٤٠) (٢٠٤٠-٢٠٤٢) (٢٠٤٢-٢٠٤٤) (٢٠٤٤-٢٠٤٦) (٢٠٤٦-٢٠٤٨) (٢٠٤٨-٢٠٥٠) (٢٠٥٠-٢٠٥٢) (٢٠٥٢-٢٠٥٤) (٢٠٥٤-٢٠٥٦) (٢٠٥٦-٢٠٥٨) (٢٠٥٨-٢٠٦٠) (٢٠٦٠-٢٠٦٢) (٢٠٦٢-٢٠٦٤) (٢٠٦٤-٢٠٦٦) (٢٠٦٦-٢٠٦٨) (٢٠٦٨-٢٠٧٠) (٢٠٧٠-٢٠٧٢) (٢٠٧٢-٢٠٧٤) (٢٠٧٤-٢٠٧٦) (٢٠٧٦-٢٠٧٨) (٢٠٧٨-٢٠٨٠) (٢٠٨٠-٢٠٨٢) (٢٠٨٢-٢٠٨٤) (٢٠٨٤-٢٠٨٦) (٢٠٨٦-٢٠٨٨) (٢٠٨٨-٢٠٩٠) (٢٠٩٠-٢٠٩٢) (٢٠٩٢-٢٠٩٤) (٢٠٩٤-٢٠٩٦) (٢٠٩٦-٢٠٩٨) (٢٠٩٨-٢١٠٠) (٢١٠٠-٢١٠٢) (٢١٠٢-٢١٠٤) (٢١٠٤-٢١٠٦) (٢١٠٦-٢١٠٨) (٢١٠٨-٢١١٠) (٢١١٠-٢١١٢) (٢١١٢-٢١١٤) (٢١١٤-٢١١٦) (٢١١٦-٢١١٨) (٢١١٨-٢١٢٠) (٢١٢٠-٢١٢٢) (٢١٢٢-٢١٢٤) (٢١٢٤-٢١٢٦) (٢١٢٦-٢١٢٨) (٢١٢٨-٢١٣٠) (٢١٣٠-٢١٣٢) (٢١٣٢-٢١٣٤) (٢١٣٤-٢١٣٦) (٢١٣٦-٢١٣٨) (٢١٣٨-٢١٤٠) (٢١٤٠-٢١٤٢) (٢١٤٢-٢١٤٤) (٢١٤٤-٢١٤٦) (٢١٤٦-٢١٤٨) (٢١٤٨-٢١٥٠) (٢١٥٠-٢١٥٢) (٢١٥٢-٢١٥٤) (٢١٥٤-٢١٥٦) (٢١٥٦-٢١٥٨) (٢١٥٨-٢١٦٠) (٢١٦٠-٢١٦٢) (٢١٦٢-٢١٦٤) (٢١٦٤-٢١٦٦) (٢١٦٦-٢١٦٨) (٢١٦٨-٢١٧٠) (٢١٧٠-٢١٧٢) (٢١٧٢-٢١٧٤) (٢١٧٤-٢١٧٦) (٢١٧٦-٢١٧٨) (٢١٧٨-٢١٨٠) (٢١٨٠-٢١٨٢) (٢١٨٢-٢١٨٤) (٢١٨٤-٢١٨٦) (٢١٨٦-٢١٨٨) (٢١٨٨-٢١٩٠) (٢١٩٠-٢١٩٢) (٢١٩٢-٢١٩٤) (٢١٩٤-٢١٩٦) (٢١٩٦-٢١٩٨) (٢١٩٨-٢٢٠٠) (٢٢٠٠-٢٢٠٢) (٢٢٠٢-٢٢٠٤) (٢٢٠٤-٢٢٠٦) (٢٢٠٦-٢٢٠٨) (٢٢٠٨-٢٢١٠) (٢٢١٠-٢٢١٢) (٢٢١٢-٢٢١٤) (٢٢١٤-٢٢١٦) (٢٢١٦-٢٢١٨) (٢٢١٨-٢٢٢٠) (٢٢٢٠-٢٢٢٢) (٢٢٢٢-٢٢٢٤) (٢٢٢٤-٢٢٢٦) (٢٢٢٦-٢٢٢٨) (٢٢٢٨-٢٢٣٠) (٢٢٣٠-٢٢٣٢) (٢٢٣٢-٢٢٣٤) (٢٢٣٤-٢٢٣٦) (٢٢٣٦-٢٢٣٨) (٢٢٣٨-٢٢٤٠) (٢٢٤٠-٢٢٤٢) (٢٢٤٢-٢٢٤٤) (٢٢٤٤-٢٢٤٦) (٢٢٤٦-٢٢٤٨) (٢٢٤٨-٢٢٥٠) (٢٢٥٠-٢٢٥٢) (٢٢٥٢-٢٢٥٤) (٢٢٥٤-٢٢٥٦) (٢٢٥٦-٢٢٥٨) (٢٢٥٨-٢٢٦٠) (٢٢٦٠-٢٢٦٢) (٢٢٦٢-٢٢٦٤) (٢٢٦٤-٢٢٦٦) (٢٢٦٦-٢٢٦٨) (٢٢٦٨-٢٢٧٠) (٢٢٧٠-٢٢٧٢) (٢٢٧٢-٢٢٧٤) (٢٢٧٤-٢٢٧٦) (٢٢٧٦-٢٢٧٨) (٢٢٧٨-٢٢٨٠) (٢٢٨٠-٢٢٨٢) (٢٢٨٢-٢٢٨٤) (٢٢٨٤-٢٢٨٦) (٢٢٨٦-٢٢٨٨) (٢٢٨٨-٢٢٩٠) (٢٢٩٠-٢٢٩٢) (٢٢٩٢-٢٢٩٤) (٢٢٩٤-٢٢٩٦) (٢٢٩٦-٢٢٩٨) (٢٢٩٨-٢٣٠٠) (٢٣٠٠-٢٣٠٢) (٢٣٠٢-٢٣٠٤) (٢٣٠٤-٢٣٠٦) (٢٣٠٦-٢٣٠٨) (٢٣٠٨-٢٣١٠) (٢٣١٠-٢٣١٢) (٢٣١٢-٢٣١٤) (٢٣١٤-٢٣١٦) (٢٣١٦-٢٣١٨) (٢٣١٨-٢٣٢٠) (٢٣٢٠-٢٣٢٢) (٢٣٢٢-٢٣٢٤) (٢٣٢٤-٢٣٢٦) (٢٣٢٦-٢٣٢٨) (٢٣٢٨-٢٣٣٠) (٢٣٣٠-٢٣٣٢) (٢٣٣٢-٢٣٣٤) (٢٣٣٤-٢٣٣٦) (٢٣٣٦-٢٣

رئيس الأمانة المركزية	مدير المشروع	مهندس البيئة	استشاري التوثيق (مكتب خالد)	المراقب
م/نصر محمد نصر طيخ	م/مشيرة السيدية الله	م/محمد غنوي	م/أحمد محمد	م/محمد عبدالمجيد أحمد
التوقيع /	التوقيع /	التوقيع /	التوقيع /	التوقيع /



[illegible]



مقدمة ختامية: احاط الجسد القرابي والاخلاق تصانيمه لمشروع قانون الكيراني السريع (تحت التسمية الخاصة (البريد ختامية معروض)
 قيراني ختامية: احاط الجسد القرابي السريع العسكة (٢٠٠٠، ٢٠٠١، ٢٠٠٢، ٢٠٠٣، ٢٠٠٤، ٢٠٠٥، ٢٠٠٦، ٢٠٠٧، ٢٠٠٨، ٢٠٠٩، ٢٠١٠، ٢٠١١، ٢٠١٢، ٢٠١٣، ٢٠١٤، ٢٠١٥، ٢٠١٦، ٢٠١٧، ٢٠١٨، ٢٠١٩، ٢٠٢٠، ٢٠٢١، ٢٠٢٢، ٢٠٢٣، ٢٠٢٤، ٢٠٢٥، ٢٠٢٦، ٢٠٢٧، ٢٠٢٨، ٢٠٢٩، ٢٠٣٠، ٢٠٣١، ٢٠٣٢، ٢٠٣٣، ٢٠٣٤، ٢٠٣٥، ٢٠٣٦، ٢٠٣٧، ٢٠٣٨، ٢٠٣٩، ٢٠٤٠، ٢٠٤١، ٢٠٤٢، ٢٠٤٣، ٢٠٤٤، ٢٠٤٥، ٢٠٤٦، ٢٠٤٧، ٢٠٤٨، ٢٠٤٩، ٢٠٥٠، ٢٠٥١، ٢٠٥٢، ٢٠٥٣، ٢٠٥٤، ٢٠٥٥، ٢٠٥٦، ٢٠٥٧، ٢٠٥٨، ٢٠٥٩، ٢٠٦٠، ٢٠٦١، ٢٠٦٢، ٢٠٦٣، ٢٠٦٤، ٢٠٦٥، ٢٠٦٦، ٢٠٦٧، ٢٠٦٨، ٢٠٦٩، ٢٠٧٠، ٢٠٧١، ٢٠٧٢، ٢٠٧٣، ٢٠٧٤، ٢٠٧٥، ٢٠٧٦، ٢٠٧٧، ٢٠٧٨، ٢٠٧٩، ٢٠٨٠، ٢٠٨١، ٢٠٨٢، ٢٠٨٣، ٢٠٨٤، ٢٠٨٥، ٢٠٨٦، ٢٠٨٧، ٢٠٨٨، ٢٠٨٩، ٢٠٩٠، ٢٠٩١، ٢٠٩٢، ٢٠٩٣، ٢٠٩٤، ٢٠٩٥، ٢٠٩٦، ٢٠٩٧، ٢٠٩٨، ٢٠٩٩، ٢١٠٠، ٢١٠١، ٢١٠٢، ٢١٠٣، ٢١٠٤، ٢١٠٥، ٢١٠٦، ٢١٠٧، ٢١٠٨، ٢١٠٩، ٢١١٠، ٢١١١، ٢١١٢، ٢١١٣، ٢١١٤، ٢١١٥، ٢١١٦، ٢١١٧، ٢١١٨، ٢١١٩، ٢١٢٠، ٢١٢١، ٢١٢٢، ٢١٢٣، ٢١٢٤، ٢١٢٥، ٢١٢٦، ٢١٢٧، ٢١٢٨، ٢١٢٩، ٢١٣٠، ٢١٣١، ٢١٣٢، ٢١٣٣، ٢١٣٤، ٢١٣٥، ٢١٣٦، ٢١٣٧، ٢١٣٨، ٢١٣٩، ٢١٤٠، ٢١٤١، ٢١٤٢، ٢١٤٣، ٢١٤٤، ٢١٤٥، ٢١٤٦، ٢١٤٧، ٢١٤٨، ٢١٤٩، ٢١٥٠، ٢١٥١، ٢١٥٢، ٢١٥٣، ٢١٥٤، ٢١٥٥، ٢١٥٦، ٢١٥٧، ٢١٥٨، ٢١٥٩، ٢١٦٠، ٢١٦١، ٢١٦٢، ٢١٦٣، ٢١٦٤، ٢١٦٥، ٢١٦٦، ٢١٦٧، ٢١٦٨، ٢١٦٩، ٢١٧٠، ٢١٧١، ٢١٧٢، ٢١٧٣، ٢١٧٤، ٢١٧٥، ٢١٧٦، ٢١٧٧، ٢١٧٨، ٢١٧٩، ٢١٨٠، ٢١٨١، ٢١٨٢، ٢١٨٣، ٢١٨٤، ٢١٨٥، ٢١٨٦، ٢١٨٧، ٢١٨٨، ٢١٨٩، ٢١٩٠، ٢١٩١، ٢١٩٢، ٢١٩٣، ٢١٩٤، ٢١٩٥، ٢١٩٦، ٢١٩٧، ٢١٩٨، ٢١٩٩، ٢٢٠٠، ٢٢٠١، ٢٢٠٢، ٢٢٠٣، ٢٢٠٤، ٢٢٠٥، ٢٢٠٦، ٢٢٠٧، ٢٢٠٨، ٢٢٠٩، ٢٢١٠، ٢٢١١، ٢٢١٢، ٢٢١٣، ٢٢١٤، ٢٢١٥، ٢٢١٦، ٢٢١٧، ٢٢١٨، ٢٢١٩، ٢٢٢٠، ٢٢٢١، ٢٢٢٢، ٢٢٢٣، ٢٢٢٤، ٢٢٢٥، ٢٢٢٦، ٢٢٢٧، ٢٢٢٨، ٢٢٢٩، ٢٢٣٠، ٢٢٣١، ٢٢٣٢، ٢٢٣٣، ٢٢٣٤، ٢٢٣٥، ٢٢٣٦، ٢٢٣٧، ٢٢٣٨، ٢٢٣٩، ٢٢٤٠، ٢٢٤١، ٢٢٤٢، ٢٢٤٣، ٢٢٤٤، ٢٢٤٥، ٢٢٤٦، ٢٢٤٧، ٢٢٤٨، ٢٢٤٩، ٢٢٥٠، ٢٢٥١، ٢٢٥٢، ٢٢٥٣، ٢٢٥٤، ٢٢٥٥، ٢٢٥٦، ٢٢٥٧، ٢٢٥٨، ٢٢٥٩، ٢٢٦٠، ٢٢٦١، ٢٢٦٢، ٢٢٦٣، ٢٢٦٤، ٢٢٦٥، ٢٢٦٦، ٢٢٦٧، ٢٢٦٨، ٢٢٦٩، ٢٢٧٠، ٢٢٧١، ٢٢٧٢، ٢٢٧٣، ٢٢٧٤، ٢٢٧٥، ٢٢٧٦، ٢٢٧٧، ٢٢٧٨، ٢٢٧٩، ٢٢٨٠، ٢٢٨١، ٢٢٨٢، ٢٢٨٣، ٢٢٨٤، ٢٢٨٥، ٢٢٨٦، ٢٢٨٧، ٢٢٨٨، ٢٢٨٩، ٢٢٩٠، ٢٢٩١، ٢٢٩٢، ٢٢٩٣، ٢٢٩٤، ٢٢٩٥، ٢٢٩٦، ٢٢٩٧، ٢٢٩٨، ٢٢٩٩، ٢٣٠٠، ٢٣٠١، ٢٣٠٢، ٢٣٠٣، ٢٣٠٤، ٢٣٠٥، ٢٣٠٦، ٢٣٠٧، ٢٣٠٨، ٢٣٠٩، ٢٣١٠، ٢٣١١، ٢٣١٢، ٢٣١٣، ٢٣١٤، ٢٣١٥، ٢٣١٦، ٢٣١٧، ٢٣١٨، ٢٣١٩، ٢٣٢٠، ٢٣٢١، ٢٣٢٢، ٢٣٢٣، ٢٣٢٤، ٢٣٢٥، ٢٣٢٦، ٢٣٢٧، ٢٣٢٨، ٢٣٢٩، ٢٣٣٠، ٢٣٣١، ٢٣٣٢، ٢٣٣٣، ٢٣٣٤، ٢٣٣٥، ٢٣٣٦، ٢٣٣٧، ٢٣٣٨، ٢٣٣٩، ٢٣٤٠، ٢٣٤١، ٢٣٤٢، ٢٣٤٣، ٢٣٤٤، ٢٣٤٥، ٢٣٤٦، ٢٣٤٧، ٢٣٤٨، ٢٣٤٩، ٢٣٥٠، ٢٣٥١، ٢٣٥٢، ٢٣٥٣، ٢٣٥٤، ٢٣٥٥، ٢٣٥٦، ٢٣٥٧، ٢٣٥٨، ٢٣٥٩، ٢٣٦٠، ٢٣٦١، ٢٣٦٢، ٢٣٦٣، ٢٣٦٤، ٢٣٦٥، ٢٣٦٦، ٢٣٦٧، ٢٣٦٨، ٢٣٦٩، ٢٣٧٠، ٢٣٧١، ٢٣٧٢، ٢٣٧٣، ٢٣٧٤، ٢٣٧٥، ٢٣٧٦، ٢٣٧٧، ٢٣٧٨، ٢٣٧٩، ٢٣٨٠، ٢٣٨١، ٢٣٨٢، ٢٣٨٣، ٢٣٨٤، ٢٣٨٥، ٢٣٨٦، ٢٣٨٧، ٢٣٨٨، ٢٣٨٩، ٢٣٩٠، ٢٣٩١، ٢٣٩٢، ٢٣٩٣، ٢٣٩٤، ٢٣٩٥، ٢٣٩٦، ٢٣٩٧، ٢٣٩٨، ٢٣٩٩، ٢٤٠٠، ٢٤٠١، ٢٤٠٢،

[illegible]



التوقيع / التوثيق	ملاحظات التوقيع	ملاحظات التوقيع	ملاحظات التوقيع	ملاحظات التوقيع
التوقيع / التوثيق	التوقيع / التوثيق	التوقيع / التوثيق	التوقيع / التوثيق	التوقيع / التوثيق



مطلوبة خصية أعمال الجسر النوبي والأعمال الصناعية لمشروع التطوير الكهربائي السريع (لنصف المسافة المتبقية لإتباعها من قبل المصنعين) ٦٠٩٦/١/١٩

اجمالتی

مدير المشروع

محضر استلام موقع

بشأن الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي السريع
(العين السخنة - العاصمة - الاداريه - العلمين - مطروح)
تنفيذ شركة / محمود جميل قطامش

وقد اجتمعت اللجنة في يوم الخميس الموافق 2022/9/13 بحضور كلا من :

- | | |
|----------------------------|---|
| 1-مهندس /ايمن محمد السيد | مدير المشروع (الهيئة العامة للطرق والكباري) |
| 2-مهندس /محمد غاندي | ممثل الهيئة العامة للطرق والكباري |
| 3-مهندس / عمر عارف | ممثل استشاري المشروع (سبكتروم) |
| 4-مهندس / مصطفى محمود | ممثل مكتب الرائد |
| 5- مهندس / محمد عبد الحليم | مهندس الشركة المنفذة |

بالاشاره الي العقد المبرم بين الهيئة العامة للطرق والكباري وشركة محمود جميل قطامش للمقاولات العامة والتوريدات رقم (2023/2022/345) المؤرخ في 2022/9/11 بشأن الجسر الترابي والاعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة - العاصمة - الاداريه - العلمين - مطروح) لتنفيذ الجرايب الخرسانيه اسفل مسار القطار الكهربائي السريع لمسافه (59+057) - (61+477) - (93+617) عدد 3 علي ان يتم التنفيذ طبقا لشروط ومواصفات الهيئة الخاصه بهذه العمليه.

وقامت اللجنة بالمرور علي المواقع ووجدت انه لا يوجد عوائق ظاهريه تعوق البدء في تنفيذ المشروع (الموقع خالي من العوائق) وعليه اقبل المحضر علي ذلك

- | | |
|-------------------------|---|
| 1- محمد عبد الحليم احمد | مدير المشروع - شركة محمود جميل قطامش - الشركة المنفذة |
| 2- مصطفى محمود | ممثل مكتب الاستشاري (الرائد) |
| 3- محمد عارف | ممثل استشاري المشروع (سبكتروم) |
| 4- محمد غاندي | ممثل الهيئة العامة للطرق والكباري |
| 5- محمد عبد الحليم | مدير المشروع (الهيئة العامة للطرق والكباري) |

يعتمد

رئيس الادارة المركزية

مهندس /
مجدي عبد السلام عامر

محضر استلام الابتدائي

أعمال الجسر الترابي والأعمال الصناعية لشروع القطار الكهربائي السريع (العين السخنة - العاصمة الإدارية - العلمين - مرسى مطروح) لتنفيذ أعمال الجراخ الخرسانية أسفل مسار

القطار الكهربائي السريع المسافة (٥٩+٠٥٧) & (٦١+٤٧٧) & (٩٣+٦١٧)

تنفيذ :- منشأة محمود جميل قطامش للمقاولات العامة والتوريدات

أنه في يوم الاحد الموافق ٢٠٢٣/٨/١ اجتمعت اللجنة بحضور كلا من :-

- ١- م/ أسماء على أحمد
 - ٢- م/ أيمن محمد السيد
 - ٣- م/ محمد على أبو الجود
 - ٤- م/ إسلام محمد البهادي
 - ٥- م/ ضياء الدين محمود
 - ٦- م/ حسن محمود
 - ٧- م/ محمد غاندي
 - ٨- م/ محمد عبد الله سليمان
 - ٩- م/ مصطفى محمود عبد الغنى
- (المنطقة الاولى المركزية) رئيسا .
(المنطقة الاولى المركزية) عضوا جهاز الاشراف .
(المنطقة الاولى المركزية) عضوا .
(المنطقة الاولى المركزية) عضوا .
(مكتب سيسترا الاستشارى العام) عضوا .
(مكتب سيكترام استشارى الهيئة) عضوا .
(المنطقة الاولى المركزية) عضو إضافي .
(مندوب الشركة المنفذه) عضوا .
(استشارى الاعمال الصناعية مكتب الراند) عضو إضافي .
- بناءا إلى قرار السيد المهندس / رئيس الادارة المركزية المنطقة الاولى رقم (٢٣) لسنة ٢٠٢٣ بشأن الاستلام الابتدائي للمشروع عاليه والصادر له العقد رقم: (٢٠٢٣/٢٠٢٢/٣٤٥) بتاريخ ٢٠٢٢/٩/١١ .

- وبعد المعاينه والفحص الظاهري والاطلاع على ملف العملية وكراسة الشروط والمواصفات تقرر الاتي :-

أولا : بريخ عند المحطة (٥٩+٠٥٧) & (٦١+٤٧٧) :-

- تقرر خصم نسبة ١٠ % على نسبة ١٥ % من إجمالي قيمة بند رقم (٢-٢) أعمال توريد وصب خرسانة مسلحة لزوم اللبشة والحوائط والاسقف نظرا لعدم استواء السطح داخل البريخ وعدم تسوية السطح بأماكن الزاجين والتقويات .
- سوف تقوم شركة الكاشف بتنفيذ أعمال الحمايةات بمدخل ومخرج البريخ طبقا للتعهد المقدم من الشركة "مرفق صوره"

ثانيا :- بريخ عند المحطة (٩٣+٦١٧) :-

- تقرر خصم نسبة ٥ % على نسبة ١٥ % من إجمالي قيمة بند رقم (٢-٢) أعمال توريد وصب خرسانة مسلحة لزوم اللبشة والحوائط والاسقف نظرا لعدم استواء السطح داخل البريخ وعدم تسوية السطح بأماكن الزاجين .
- سوف تقوم شركة على نصار للمقاولات العامة بتنفيذ أعمال الحمايةات بمدخل ومخرج البريخ طبقا للتعهد المقدم من الشركة "مرفق صوره"

- علمابان تاريخ النهو الفعلى للاعمال هو ٢٠٢٣/١/١١ .

✓ وعليه يكون تاريخ ٢٠٢٣/٨/١ هو تاريخ الاستلام الابتدائي وبداية فترة الضمان للمشروع عاليه .
وأقفل المحضر على ذلك :-

- التوقيع :-

١- ٢- ٣- ٤- ٥- ٦- ٧- ٨- ٩- ١٠- ١١- ١٢- ١٣- ١٤- ١٥- ١٦- ١٧- ١٨- ١٩- ٢٠- ٢١- ٢٢- ٢٣- ٢٤- ٢٥- ٢٦- ٢٧- ٢٨- ٢٩- ٣٠- ٣١- ٣٢- ٣٣- ٣٤- ٣٥- ٣٦- ٣٧- ٣٨- ٣٩- ٤٠- ٤١- ٤٢- ٤٣- ٤٤- ٤٥- ٤٦- ٤٧- ٤٨- ٤٩- ٥٠- ٥١- ٥٢- ٥٣- ٥٤- ٥٥- ٥٦- ٥٧- ٥٨- ٥٩- ٦٠- ٦١- ٦٢- ٦٣- ٦٤- ٦٥- ٦٦- ٦٧- ٦٨- ٦٩- ٧٠- ٧١- ٧٢- ٧٣- ٧٤- ٧٥- ٧٦- ٧٧- ٧٨- ٧٩- ٨٠- ٨١- ٨٢- ٨٣- ٨٤- ٨٥- ٨٦- ٨٧- ٨٨- ٨٩- ٩٠- ٩١- ٩٢- ٩٣- ٩٤- ٩٥- ٩٦- ٩٧- ٩٨- ٩٩- ١٠٠-

محضر تقييم

أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع

(العين السفينة - العاصمة الإدارية - العلمين - مرسى مطروح) لتنفيذ أعمال البرابح الخرسانية أسفل مسار

القطار الكهربائي السريع المسافة (٥٩+٠٥٧) & (٦١+٤٧٧) & (٩٣+٦١٧)

تنفيذ :- منشأة محمود جميل قطامش للمقاولات العامة والتوريدات

أنه في يوم الأحد ٢٠٢٣/٩/٢١ اجتمعت اللجنة بحضور كلا من :-

- ١- م/ أسماء على أحمد - (المنطقة الاولى المركزية) رئيسا .
 - ٢- م/ أيمن محمد السيد - (المنطقة الاولى المركزية) عضوا جهاز الاشراف .
 - ٣- م/ محمد على أبو الجود - (المنطقة الاولى المركزية) عضوا .
 - ٤- م/ إسلام محمد البهادي - (المنطقة الاولى المركزية) عضوا .
 - ٥- م/ ضياء الدين محمود - (مكتب سيسترا الاستشارى العام) عضوا .
 - ٦- م/ حسن محمود - (مكتب سبكتروم استشارى الهيئة) عضوا .
 - ٧- م/ محمد غاندى - (المنطقة الاولى المركزية) عضو إضافي .
 - ٨- م/ محمد عبد الله سليمان - (مندوب الشركة المنفذه) عضوا .
 - ٩- م/ مصطفى محمود عبد الغنى - (استشارى الاعمال الصناعية مكتب الرائد) عضو إضافي .
- بناءا إلى قرار السيد المهندس / رئيس الادارة المركزية المنطقة الاولى رقم (٢٣) لسنة ٢٠٢٣ بشأن الاستلام الابتدائي للمشروع عاليه والصادر له العقد رقم: (٢٠٢٣/٢٠٢٢/٣٤٥) بتاريخ ٢٠٢٢/٩/١١ وبعد الاطلاع على محضر الاستلام بتاريخ ٢٠٢٣/٨/١ وملفات التجارب المعملية الخاصة بالمشروع تمت تقييم وحساب الخصومات المالية وجاءت كالتالى :-

أولاً:- الخصم طبقا لمحضر الاستلام الابتدائي :-

- خصم على بند رقم (٢-٢) الخرسانة المسلحة لزوم اللبشة والحوائط والاسقف نظرا لعدم إستواء السطح داخل البربخ وعدم تسوية السطح باماكن الزاجين والتقويات .

- ١- خصم على بربخ ٥٩+٠٥٧ = (٠,١٠) * (٠,١٥ * ١١٦,٠٧ م) * (٣ م) * (٤٥٠٠ ج) = ٧٨٣٤,٧٢٥ جنيه .
- ٢- خصم على بربخ ٦١+٤٧٧ = (٠,١٠) * (٠,١٥ * ٢٩٠,٩١ م) * (٣ م) * (٤٥٠٠ ج) = ١٩٦٣٦,٤٢٥ جنيه .
- ٣- خصم على بربخ ٩٣+٦١٧ = (٠,٠٥) * (٠,١٥ * ٤٦٦,٤٤ م) * (٣ م) * (٤٥٠٠ ج) = ١٥٧٤٢,٣٥ جنيه .
- ٤- إجمالي قيمة الخصم طبقا لمحضر الاستلام = ٤٣٢١٣,٥٠ جنيها .

ثانياً:- الخصم على التجارب المعملية :-

إجمالي الخصم على التجارب المعملية - ٠,٠٠ جنيها .

➤ إجمالي قيمة الخصومات محضر التقييم - ٤٣٢١٣,٥٠ جنيها .

➤ إجمالي قيمة الخصومات بعد خصم ٠,٥ % طبقا لمفاوضة التعاقد - ٤٢٩٩٧,٥ جنيها .

وأقفل المحضر وعلى ذلك التوقيع :-

٨- المقاول :- ضياء الدين محمود
٩- استشارى البرابح :-
١٠- سبكتروم
١١- سبكتروم
١٢- سبكتروم
١٣- سبكتروم
١٤- سبكتروم
١٥- سبكتروم
١٦- سبكتروم
١٧- سبكتروم
١٨- سبكتروم
١٩- سبكتروم
٢٠- سبكتروم

أعمال الخرسان والأعمال الصناعية لمشروع القطار الكهربائي السريع (العين السخنة - المصاطبة الإدارية - المسلمين - مرسى مطروح) لتنفيذ أعمال البناية الخرسانية أسفل

مسار الخط الكهربائي السريع المسافة (٥٩+٠٥٧) & (٦٦+٦١٧) & (٩٣+٦١٧)

تنفيذ :- منشأة محدود حصيل للمقاولات العامة والتوريدات

عقد وقعه: (٢٠٢٢/٢٠٢٢/٢٠٢٢)

الحمد لله الذي هدانا لهذا الذي كنا لنهتدي لولا أن هدانا الله :-

ملاحظات	قيمة الخصم بالجنيه	نسبة الخصم (%)	سعر الوحدة (جنيه)	نسبة الخصم (%)	نسبة الخصم (%)	الوحدة	كمية كل بريك ٣ م	إجمالي الكمية ٣ م	البلد	م
لعم استواء السلع داخل البريك وعدم تشوية السلع بأماكن التوزيع والتفويك	٧٨٣٤,٧٣	%١٥	٤٥٠٠	%١٠	٣ م	١١٦,٠٧	بريك ٣ م	٥٩٤٠٠٧	خرسانية مسلحة للبريك	٢٠٢
	١٩٦٣٦,٤٣	%١٥	٤٥٠٠	%١٠	٣ م	٢٩٠,٩١	بريك ٣ م	٦١٤٠٧٧		
	١٥٧٤٢,٣٥	%١٥	٤٥٠٠	%١٠	٣ م	٤٦٦,٤٤	بريك ٣ م	٩٣٠١١٧		
جنيها	٤٣٢١٣,٥٠								إجمالي الخصم بمحطة الاستلام (بالجنيه)	

احمال الخصم بمقتضى الاستقلال (بالحيثية)

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١ - الخصومة رقم ٥٨٠٤ / ٢٠١٦
- خصامه السيد

Chaf A. محرم

SPEC CONSEIL
الهيئة الوطنية
SPECC

O - ding spruce



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۱- کھانسی، سعال، دھڑکنے کی آواز

أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع (الميناء المستخدم - الماصصة الإدارية - المعلمين - مرسى مطروح) لتنفيذ أعمال البرابغ الخرسانية أسفل مسار

القطار الكهربائي السريع المسافة (٥٩+٠٥٧) & (٦١+٤٧٧) & (٩٣+٦١٧)

تنفيذ :- منشأة محمود جميل قطامش للمقاولات العامة، والتوريدات

$$S_{\text{eff}}(\text{mod}) = (0.5A/1A + 1/1A + 1) \times 2.22 \times 10^{-4} \times 10^4$$

ثانياً :- الخصائص بضغط الحدود والاختصارات

فصل الخامسة المصلحة :

ملاحظات	قيمة الخصم بالجنيه	نسبة المعبى (%)	سعر الوحدة (جنيه)	نسبة الخصم (%)	نقص الاجهز المطلوب (كجم/اسم ^٢)	اجهزة الكسر المطلوب (كجم/اسم ^٢)	جهد الكسر بعد ٢٨ يوم (كجم/اسم ^٢)	رقم العينة	البنية	م
	٠,٠٠٠	%	£0.00	%	*	£0.00	049	١		
	٠,٠٠٠	%	£0.00	%	*	£0.00	043	٢		
	٠,٠٠٠	%	£0.00	%	*	£0.00	038	٣		
	٠,٠٠٠	%	£0.00	%	*	£0.00	048	٤		
	٠,٠٠٠	%	£0.00	%	*	£0.00	047	٥		
	٠,٠٠٠	%	£0.00	%	*	£0.00	013	٦		
	٠,٠٠٠	%	£0.00	%	*	£0.00	000	٧		
	٠,٠٠٠	%	£0.00	%	*	£0.00	031	٨		
	٠,٠٠٠	%	£0.00	%	*	£0.00	£60	٩		
جنيتها	٠,٠٠٠								بريخ ٩٣+٦١٧ خرسانة مسلحة م ٣	٢٠٤

اجمالي الخصم الغرسة الساحة (بالجنيد) فصل

2000

2000-2001

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اسم الموقوف: مستشفى
الغرض من الوقف: الغرض من الوقف

أعمال الجسر الترابي والأعمال الصناعية لمشروع القطار الكهربائي السريع (الميناء السفلى - العلمين - مرسى مطروح) لتنفيذ أعمال البناية الخرسانية أسفل

مسار القطار الكهربائي السريع للمسافة (٥٩+٠٥٧) & (٦١+٤٧٧) & (٩٣+٦١٧)

تنفيذ :- منشأة محمود جميل قطاش للمقاولات العامة والتوريدات

٢٠٢٢/٢٠٢٣/٣٤٥: ٢٠٢٢/٢٠٢٣/٣٤٥

ملاحظات	قيمة الخصم بالجنيه	نسبة الخصم (%)	سعر الوحدة (جنيه)	نسبة الخصم (%)	الوحدة	كمية كل برتق م ^٣	إجمالي القيمة م ^٣	البلد	م
لعدم استواء السطح داخل البرتق وعدم تصوية السطح بالمكن الزجاجين والتقويكات	٧٨٣٤,٧٣	%١٥	٤٥٠٠	%١٠	م ^٣	١١٦,٠٧	٨٧٣,٤٤	البرتق	٥٩٠٠٥٧
	١٩٦٣٦,٤٣	%١٥	٤٥٠٠	%١٠	م ^٣	٢٩٠,٩١	٨٧٣,٤٤	البرتق	٦١٠٤٧٧
	١٥٧٤٢,٣٥	%١٥	٤٥٠٠	%٥	م ^٣	٤٦٦,٤٤	٩٣٠٦١٧	البرتق	٩٣٠٦١٧
	٠,٠٠٠	٠	٠	٠	٠	٠	٠	البرتق	٠
جسدها	٤٣٢١٣,٥٠						إجمالي قيمة الخصم للعقد رقم ٣٤٥	البرتق	٠
جسدها	٤٣٩٩٧,٥						إجمالي قيمة الخصم للعقد رقم ٣٤٥	البرتق	٠

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الحصونية، الاحرار
في الجرد

العمليل : شركة محمود جميل قطامش جبريل مقاولات عامة و توريدات	رقم الوارد : 2022/6/23 رقم الصادر : 2022/6/27 (517)
---	--

تقرير فنى عن الشد و الثنى و تحليل كيميائي لعدد 2 عينات من حديد تسليح مشرشر بقطر 12 مم و 16 مم. النتائج المبينة في التقرير لا تمثل إلا العينة التي تم اختبارها و التي تم توريدها الي المعمل بمعرفة العمليل، و أي اسقاط لها علي كميات اخري مسؤولية العمليل.

النتائج:

اولا: اختبار الشد و الثنى:

Diameter (mm) /Stamped code	Ultimate Tensile Strength (MPa)	Yield strength (MPa)	Elongation % [*]	Bending
12/EZ-AL-500- DWR	658	502	13.4	Accept
	653	496	11	Accept
	655	493	10	Accept
16/HADIDNA B500 DWR ARS	705	540	10	Accept
	715	558	9.4	Accept
	693	524	10.7	Accept
[*]: Elongation % at maximum load				

ثانيا: التحليل الكيميائي:

Dia. (mm)	C	Si	S	P	Mn	Ni	Cr	Mo	V	Cu	N	CEV	Fe
12	0.3	0.12	0.012	0.009	0.93	0.02	0.02	0.004	0.002	0.07	0.008	0.46	Bal.
16	0.3	0.2	0.01	0.009	1.58	0.02	0.02	0.002	0.005	0.08	0.007	0.57	Bal.

د/عبد الله عبدالفتاح عبد القوي
مدرس بقسم التصميم الميكانيكي
والإنتاج والمشراف على
الاختبارات

د/ممنوح محمد سالم
مدرس بقسم التصميم الميكانيكي
والإنتاج والمشراف على
الاختبارات

أ.د./إيهاب عادل الدنف
أستاذ هندسة المواد بقسم
التصميم الميكانيكي والإنتاج
ومدير المعمل





Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/434
----------------	-----	----------------	----------

The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, Impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	Ø22 المصريين		
Owner	الهيئة القومية للاتفاق - وزارة النقل		
Company	شركة محمود جميل طمامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سينترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	8-22/434	Required for B500DWR
Diameter	22	
Yield stress, MPa	515	500-650 min
Ultimate Tensile stress, MPa	680	-----
Elongation, %	21	13 min
R _m /R _{el}	1.32	1.25 min

Test conducted by:M.M

Signature:

- The test results represent a sample provided – by the customer – to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:

Tel -Fax/Mobile: 0235678005 – 01277721525 – 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	Result
8-22/434 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/434

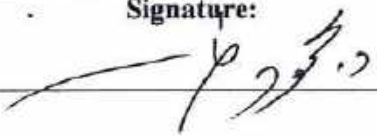
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22430
----------------	-----	----------------	---------

The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	المصريين Ø10		
Owner	الهيئة القومية للإنفاق - وزارة النقل		
Company	شركة محمود جميل قلاماش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سيسترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	8-22/430	Required for B500DWR
Diameter	10	
Yield stress, MPa	541	500-650 min
Ultimate Tensile stress, MPa	697	-----
Elongation, %	24	13 min
R _m /R _{eff}	1.29	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided - by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash Signature:

Tel -Fax/Mobile: 0235678005 – 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/430	0.341	0.908	0.229	0.037	0.020	0.111	0.089	0.578	0.012	0.004	0.001	0.000	0.001	0.559
Required for grade 3500DWR	0.32 +0.03 max	1.80 max	0.55 max	0.040 max	0.040 max	—	—	—	—	—	—	—	—	0.61 max

Test conducted by: J.F

Signature:

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

3- Bend Test:

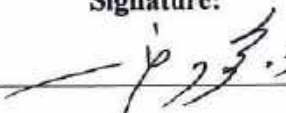
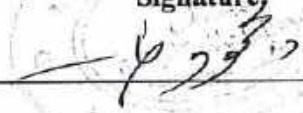
Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	Result
8-22/430 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/430

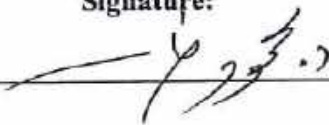
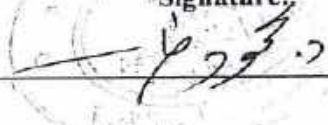
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/436
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, Impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	Ø16 عز		
Owner	الهيئة القومية للاتفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب ميسترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	8-22/436	Required for B500DWR
Diameter	16	
Yield stress, MPa	553	500-650 min
Ultimate Tensile stress, MPa	709	-----
Elongation, %	23	13 min
R _m /R _{eH}	1.28	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:

Tel -Fax/Mobile: 0235678005 – 01277721525 – 01277721545

Email: - MTL CU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



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Metallurgical Dept. – Building No. 32
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.
Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/436	0.315	0.764	0.123	0.047	0.045	0.074	0.036	0.345	0.009	0.001	0.001	0.004	0.004	0.479
Required for grade 3500DWR	0.32 max	1.80 max	0.55 max	0.040 +0.008 max	0.040 0.008+ max	—	—	—	—	—	—	—	—	0.61 max

Test conducted by: J.F

Signature: _____

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: _____	Signature: _____



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	Result
8-22/436 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature:



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/436

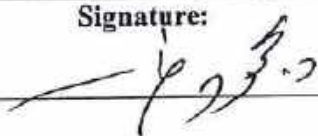
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties **are in** conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis **is in** conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/440
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, Impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	حديد السوييس/حديدنا Ø16		
Owner	الهيئة القومية للأنفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سيمسترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000013

Test Specimen	8-22/440	Required for B500DWR
Diameter	16	
Yield stress, MPa	543	500-650 min
Ultimate Tensile stress, MPa	719	-----
Elongation, %	20	13 min
R _m /R _{eH}	1.32	1.25 min

Test conducted by:M.M

Signature:

- The test results represent a sample provided - by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the test of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash.
Signature:	Signature:

Tel-Fax/Mobile: 0235678005 – 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/437
----------------	-----	----------------	----------

The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	Ø18 عز		
Owner	الهيئة القومية للاتفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب ميسنرا		
consultant	المرشد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	8-22/437	Required for B500DWR
Diameter	18	
Yield stress, MPa	523	500-650 min
Ultimate Tensile stress, MPa	699	-----
Elongation, %	23	13 min
R _m /R _{eH}	1.34	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided - by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
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- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr: Mahmoud-Tash

Tel -Fax/Mobile: 0235678005 – 01277721525 – 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/437	0.275	1.069	0.230	0.013	0.040	0.028	0.027	0.123	0.002	0.002	0.001	0.004	0.005	0.469
Required for grade 3500DWR	0.32 max	1.80 max	0.55 max	0.040 max	0.040 max	—	—	—	—	—	—	—	—	0.61 max

Test conducted by: J.F

Signature: _____

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature: _____	Signature: _____



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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

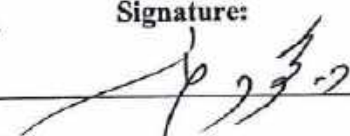
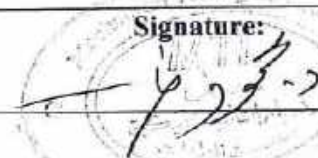
Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	Result
8-22/437 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
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- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/437

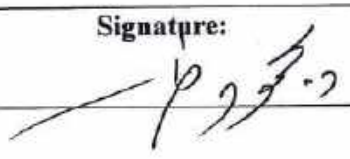
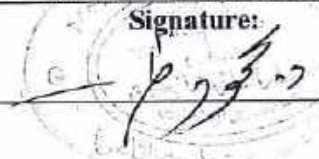
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:
	



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request # 626 Specimen(s) ID 8-22/438

The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	حديد السوييس/حدينا Ø10		
Owner	الهيئة القومية للانفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سيمترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	8-22/438	Required for B500DWR
Diameter	10	
Yield stress, MPa	528	500-650 min
Ultimate Tensile stress, MPa	706	-----
Elongation, %	26	13 min
R _m /R _{eH}	1.34	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided - by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash

Tel -Fax/Mobile: 0235678005 - 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

No(s)/Avg. of 2 Runs for each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
22/438	0.334	1.505	0.245	0.016	0.022	0.005	0.007	0.012	0.002	0.005	0.001	0.000	0.001	0.589
Required for grade 500DWR	0.32 +0.03 max	1.80 max	0.55 max	0.040 max	0.040 max	—	—	—	—	—	—	—	—	0.61 max

Test conducted by: J.F

Signature: _____

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: _____	Signature: _____



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

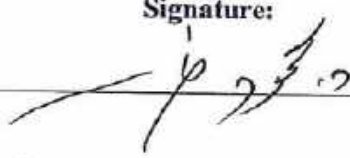
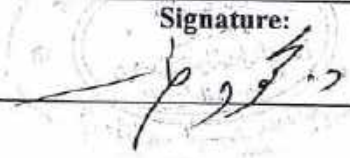
Serial No.: 124105000018

Test Specimen	Result
8-22/438 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/438

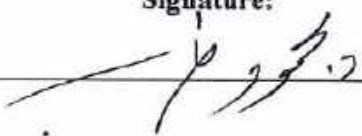
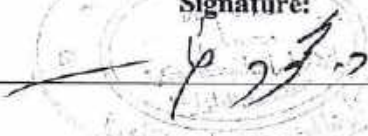
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:
	



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22431
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	Ø12 المصري		
Owner	الهيئة القومية للأمن – وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطر الكهربائي السريع		
General consultant	مكتب سيمترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	30/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	8-22/431	Required for B500DWR
Diameter	12	
Yield stress, MPa	553	500-650 min
Ultimate Tensile stress, MPa	715	-----
Elongation, %	25	13 min
R _m /R _{eH}	1.29	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided – by the customer – to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr: Mahmoud Tash

Tel -Fax/Mobile: 0235678005 – 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.
Serial No.:4545-AD

D(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/434	0.289	0.949	0.282	0.023	0.026	0.143	0.087	0.508	0.017	0.003	0.002	0.000	0.001	0.512
Required for grade 500DWR	0.32 max	1.80 max	0.55 max	0.040 max	0.040 max	---	---	---	---	---	---	---	---	0.61 max

Test conducted by: J.F

Signature:

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Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr. Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
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Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/431

Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash.
Signature:	Signature:



Mechanical Testing Laboratory
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/439
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension(ASTM E8/16)		
Test method(Chemical)	Low alloy steel(ASTM E415/17)		
Test item description	حديد السويش/حديدنا Ø12		
Owner	الهيئة القومية للاتفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سيسترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	/830/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	8-22/439	Required for B500DWR
Diameter	12	
Yield stress, MPa	574	500-650 min
Ultimate Tensile stress, MPa	769	-----
Elongation, %	25	13 min
R _m /R _{eH}	1.34	1.25 min

Test conducted by: M.M

Signature:

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Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash
	Signature:

Tel -Fax/Mobile: 0235678005 – 01277721525 – 01277721545

Email: - MTLCU02@yahoo.com

Building 32-Faculty of Engineering-Cairo University-El Gamaa St.-Giza.

Issue No/Rev No: 1/2

Page 1 of 3

MTL-F-7.8.1



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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/439	0.325	1.562	0.272	0.013	0.022	0.024	0.029	0.116	0.006	0.006	0.001	0.001	0.001	0.603
Required for grade 3500DWR	0.32 +0.03 max	1.80 max	0.55 max	0.040 max	0.040 max	---	---	---	---	---	---	---	---	0.61 max

Test conducted by: J.F

Signature:

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	Result
8-22/439 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة – جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/439

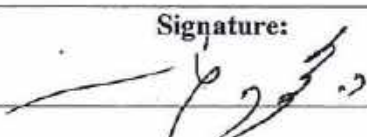
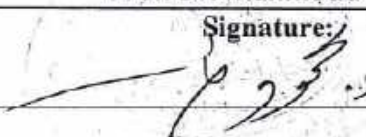
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature:	Signature:
	



Mechanical Testing Laboratory
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/432
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension (ASTM E8/16)		
Test method (Chemical)	Low alloy steel (ASTM E415/17)		
Test item description	المصريين Ø16		
Owner	الهيئة القومية للأنفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطار الكهربائي السريع		
General consultant	مكتب سيسترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	28/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.

Serial No.: 124105000018

Test Specimen	8-22/432	Required for B500DWR
Diameter	16	
Yield stress, MPa	577	500-650 min
Ultimate Tensile stress, MPa	737	-----
Elongation, %	23	13 min
R _m /R _{elH}	1.28	1.25 min

Test conducted by: M.M

Signature:

- The test results represent a sample provided - by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other part.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash

Tel-Fax/Mobile: 0235678005 - 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

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Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1



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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/432	0.324	0.848	0.221	0.033	0.020	0.140	0.083	0.532	0.014	0.002	0.001	0.001	0.001	0.530
Required for grade 3500DWR	0.32 +0.03 max	1.80 max	0.55 max	0.040 max	0.040 max	---	---	---	---	---	---	---	---	0.61 max

Test conducted by: J.F

Signature:

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	Result
8-22/432 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

- The results reported here are the responsibility of the lab, and represent the true results of the specimens provided by the customer. They do not represent any production quantities belonging to the customer.
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Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/432

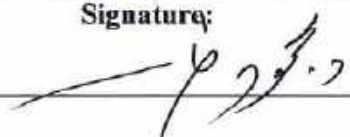
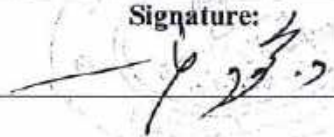
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature: 	Signature: 



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
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Testing
CAB #
413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

Test Request #	626	Specimen(s) ID	8-22/435
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The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025:2017
Accreditation Status Tensile, Hardness, Impact, chemical tests are accredited in accordance with ISO 17025:2017

Date of request	28/8/2022	Number of pages	3
Test(s) Required	Tensile+ Chemical+ bend		
Test method (Mechanical)	Tension (ASTM E8/16)		
Test method (Chemical)	Low alloy steel (ASTM E415/17)		
Test item description	Ø25 المصريين		
Owner	الهيئة القومية للانفاق - وزارة النقل		
Company	شركة محمود جميل قطامش		
Project	مشروع القطر الكهربائي السريع		
General consultant	مكتب سينترا		
consultant	الرائد للاستشارات الهندسية		
Date of Performing Test	28/8/2022	Test Report Date	31/8/2022
Temperature, °C	22	Humidity, %	38
- Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details. - The Un-machined specimen was sent by the customer.			

1- Tensile Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	8-22/435	Required for B500DWR
Diameter	25	
Yield stress, MPa	522	500-650 min
Ultimate Tensile stress, MPa	697	-----
Elongation, %	17	13 min
R _m /R _{eH}	1.34	1.25 min

Test conducted by: M.M

Signature:

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Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash
	Signature:

Tel-Fax/Mobile: 0235678005 - 01277721525 - 01277721545

Email: - MTLCU02@yahoo.com

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Issue No/Rev No: 1/2

Page 1 of 3
MTL-F-7.8.1

MTL

Mechanical Testing Laboratory
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Testing
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413004B(3)



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

2- Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.

Serial No.:4545-AD

ID(s)/Avg. of 2 Runs of each ID	Elements analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ti	Al	B	Cev
8-22/435	0.313	0.959	0.272	0.018	0.020	0.116	0.110	0.521	0.015	0.003	0.001	0.001	0.001	0.541
Required for grade 3500DWR	0.32 max	1.80 max	0.55 max	0.040 max	0.040 max	---	---	---	---	---	---	---	---	0.61 max

Test conducted by: J.F

Signature:

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Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash

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Issue No/Rev No: 1/2

Page 2 of 3
MTL-F-7.8.1



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معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

3- Bend Test:

Test Machine: SHIMADZU / UH-1000KNX Universal Testing Machine.
Serial No.: 124105000018

Test Specimen	Result
8-22/435 (bend)	ACCEPTED

Test conducted by: S.H

Signature:

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Technical Advisor	Lab. Manager / Lab. Supervisor
	Prof. Dr: Mahmoud Tash
Signature:	Signature:



Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Conformity Report

This report based on the results presented in Test Request #:	626
Specimen(s) ID	8-22/435

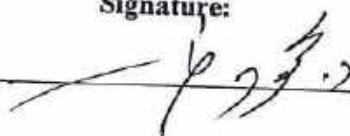
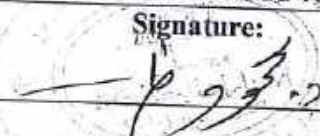
Final Evaluation:

According to compliance with Egyptian specifications standards 262-2:2009.

- 1- The specimen tensile properties are in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 2- The specimen chemical analysis is in conformity with grade B500DWR according to Egyptian specifications standards 262-2:2009.
- 3- The bend result is acceptable.

Report prepared by: Eng/ Donia Essam

Reviewed by:

Technical Advisor	Lab. Manager / Lab. Supervisor
Signature:	Prof. Dr. Mahmoud Tash
	

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST. MOHANDISEEN - GIZA
Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 14-Sep-2022
Batch Plant: M.G Mix File No.: 4800

Location :	Description	
	R.C/Culvert Box Station (59+057) L&R	C.45
	Mix	

Date of Casting:- 17-Aug-2022
Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/545	2.46	14-Sep-2022	28	225	121278	539
SC/545	2.45	14-Sep-2022	28	225	121890	542
SC/545	2.44	14-Sep-2022	28	225	112506	500

Average of Compressive Strength (kg/cm²)

527

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

ARDAMAN Split
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St., MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 11-Aug-2022

Batch Plant: M.G Mix

File No.: 4800

Location:

P.C/Culvert Box Wing Up Station (95+057)
(59+057)

C.25

Description

Mix

Date of Casting:-

4-Aug-2022

Cube Dimensions: 150*150*150

Code Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/479	2.46	11-Aug-2022	7	225	63750	283
SC/479	2.48	11-Aug-2022	7	225	60282	268
SC/479	2.45	11-Aug-2022	7	225	56100	249
Average of Compressive Strength (kg/cm2)						267

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Mofrah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 1-Sep-2022

Batch Plant: M.G Mix

File No.: 4800

Location :

(59+057)
P.C/Culvert Box Wing Up Station (95+057)

Description

Mix

C-25

Date of Casting:-

4-Aug-2022

Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/479	2.47	1-Sep-2022	28	225	74664	332
SC/479	2.46	1-Sep-2022	28	225	74970	333
SC/479	2.47	1-Sep-2022	28	225	74562	331

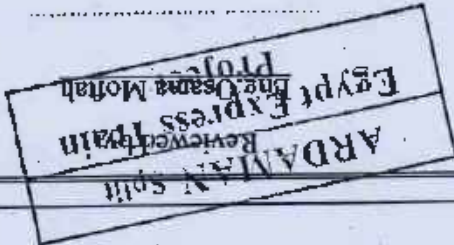
Average of Compressive Strength (kg/cm²)

332

Remarks:

Prepared by:

Eng. Roudi Yehia



ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. - MOHANDESSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 21-Sep-2022

Batch Plant: M.G Mix

File No.: 4800

Location :

R.C/Culvert Box Wing Wall Station (59+057)

C.45

Description

Mix

Date of Casting:-

24-Aug-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/587	2.47	21-Sep-2022	28	225	116280	517
SC/587	2.51	21-Sep-2022	28	225	101898	453
SC/587	2.45	21-Sep-2022	28	225	113730	505

Average of Compressive Strength (kg/cm²)

492

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Review
Electric Express Train
Project
Egypt
Mohamed El-Sayed

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA
Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katanesh Co Date: 31-Aug-2022
Batch Plant: M.G Mix File No.: 4800

Location:	Description
	R.C/Culvert Box Wing Wall Station (59+057) C45 Mix

Date of Casting:- 24-Aug-2022
Cube Dimensions: 150*150*150

Code	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/587	2.43	31-Aug-2022	7	225	50898	226
SC/587	2.46	31-Aug-2022	7	225	82926	369
SC/587	2.47	31-Aug-2022	7	225	76908	342

Average of Compressive Strength (kg/cm ²)	312
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Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egyp. Osama Mohamed
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST. , MOHANDESEEN - GIZA
Tel : 33448413 • Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co Date : 24-Aug-2022
Batch Plant: M.G Mix File No.: 4800

Location :	Description	
	Mix	R.C/Culvert Box Station (59+057) L&R

Date of Casting:- 17-Aug-2022
Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/545	2.44	24-Aug-2022	7	225	90780	403
SC/545	2.42	24-Aug-2022	7	225	89760	399
SC/545	2.43	24-Aug-2022	7	225	90270	401

Average of Compressive Strength (kg/cm2)	401
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Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egypt Reviewed by/ain
Project
Eng. Osama Mohamed

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 11-Jul-2022

Batch Plant: Express

File No.: 4800

Location:

R.C/Culvert Box (Walls & Slab) Station (59+057) Sec.(1-2-3)

Mix

Description

Date of Casting:-

4-Jul-2022

Cube Dimensions: 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/362	2.55	11-Jul-2022	7	225	104856	466
SC/362	2.48	11-Jul-2022	7	225	103530	460
SC/362	2.43	11-Jul-2022	7	225	101388	451

Average of Compressive Strength (kg/cm²)

459

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express Train
Project
Mohab

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 11-Jul-2022

Batch Plant: Express

File No.: 4800

Location:

R/C/Culvert Box (Walls & Slab) Station (59+057) Sec.(1-2-3)

Description

Mix

C45

Date of Casting:-

4-Jul-2022

Cube Dimensions: 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/362	2.43	11-Jul-2022	7	225	101388	451
SC/362	2.48	11-Jul-2022	7	225	103530	460
SC/362	2.55	11-Jul-2022	7	225	104856	466
Average of Compressive Strength (kg/cm ²)						459

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Ege Osama Mollah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 1-Aug-2022

Batch Plant: Express

File No.: 4800

Location :

R.C/Culvert Box (Walls & Slab) Station (59+057) Sec.(1-2-3)

C.45

Description

Mix

Date of Casting:-

4-Jul-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/362	2.48	1-Aug-2022	28	225	131682	585
SC/362	2.50	1-Aug-2022	28	225	134436	597
SC/362	2.44	1-Aug-2022	28	225	127500	567

Average of Compressive Strength (kg/cm²)

583

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN
Reviewed by:
Eng. Osama M. Mohan
Egypt Express Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED St. MOHANDESEEN - GIZA
Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 1-Aug-2022
Batch Plant: Express File No.: 4800

Location :	Description
	R.C/Culvert Box (Walls & Slab) Station (59+057) Sec.(1-2-3) C.45 Mix

Date of Casting:- 4-Jul-2022
Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/362	2.44	1-Aug-2022	28	225	127500	567
SC/362	2.50	1-Aug-2022	28	225	134436	597
SC/362	2.48	1-Aug-2022	28	225	131682	585

Average of Compressive Strength (kg/cm2)

583

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express
Eng. Osama Morthab

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST. MOHANDESSEN - GIZA
 Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 11-Jul-2022
 Batch Plant: Express File No.: 4800

Location :	Description
	R.C/Culvert Box Station (59+057)
	Mix

Date of Casting: 13-Jun-2022
 Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/230	2.47	11-Jul-2022	28	225	130254	579
SC/230	2.49	11-Jul-2022	28	225	127602	567
SC/230	2.48	11-Jul-2022	28	225	130968	582

Average of Compressive Strength (kg/cm2)

576

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
 Reviewed by:
 Egypt Express Train
 Eng. Osama Mofah

ARDAMAN SpA
Review
Egypt Express
Project
Egyp Express
Project

Prepared by:
Eng. Roudi Yehia

General Remarks:-

Sr.	Truck No.	Mixing Time	Arrival Time	Station & Time	Slump (cm)	Conc. Temp. (°C)	No. of Cubes	Ident. Serial	Quantity m³	Remarks
1	20	09:15	09:15	09:59	18.0	25.0	2	SC/105	9.00	
2	28	09:25	09:41	10:17	19.0	25.0	2	"	9.00	
3	10	09:32	09:56	10:33	18.0	26.0	2	"	9.00	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Total									27.00	
M³										

Location :	P.C/Culvert (69+057)
Description	P.C

Client: Katamesh Co
Plant: Plant Express
Date: 20-Apr-2012
File No: 4860

ARDAMAN SpA
MONITORS AND CONSTRUCTION TESTING S.A.E
250 EL-AWY AND EL-AYMAN - EL-DOKKI - CAIRO
Tel: 3341111 - 3341112 - 3341113
CONCRETE QUALITY CONTROL - DAILY REPORT
Electric Express Train - 15 May Secret

ARDAMAN SOIL

PLANTING AND CONSTRUCTION TESTS, S.A.E.
3030 EL KAWY AHMED ST., AIN HELWAN, HELWAN

Tel : 33448413 - Fax : 33081719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client : Ardaman Soil Co Date : 18-May-2022
 Project : Electric Express Train
 1300

Location :		Description	Mix
P.C/Concrete (59+057)			C25

Date of Casting: 20-Apr-2022 Cube Dimension: 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/105	2.52	18-May-2022	28	225	81702	363
SC/105	2.48	18-May-2022	28	225	80988	360
SC/105	2.53	18-May-2022	28	225	76602	340

Average of Compressive Strength (kg/cm2)	355
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Remarks:	
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Prepared by: Eng. Roudi Yehia

ARDAMAN SOIL
 Reviewed by: Ardaman Soil
 Project: Electric Express Train
 Date: 18-May-2022

ARDAMAN SPA

MATERIALS AND CONSTRUCTION TESTING S.A.E

LABORATORY ADDRESS: MOHAMEDSEN - GIZA

Tel: 3440413 - Fax: 3441219

CONCRETE QUALITY CONTROL - DAILY REPORT

El-Khamsa Express Train - 15 Min Sector

Client: El-Khamsa Co

Date: 27-Apr-2022

File No: 4800

Batch: 10 to Express

Location:		Description
R.C/Cutvert st (59+057)		Mix
C 25		

20-Apr-2022 Casting:- Cube Dimensions : 150*150*150

Cod. Item	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crush Load (K.g/cm2)	Compressive (K.g/cm2)
SC/105	2.44	27-Apr-2022	7	225	66810	297
SC/105	2.40	27-Apr-2022	7	225	56712	252
SC/105	2.44	27-Apr-2022	7	225	64770	288

Average of Compressive Strength (kg/cm2)	279
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Remarks:	
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Prepared by:

Eng. Roudi Yehia

ARDAMAN SPA
Reviewed by:
El-Khamsa Express Train
Egypt Expressing Mofrah
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESEEN - GIZA

Tel : 33448413 • Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 20-Jun-2022

Batch Plant: Express

File No.: 4800

Location :

R.C/Culvert Box Station (59+057)

C45

Description

Mix

Date of Casting:-

13-Jun-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/230	2.45	20-Jun-2022	7	225	109650	487
SC/230	2.46	20-Jun-2022	7	225	112302	499
SC/230	2.49	20-Jun-2022	7	225	120054	534

Average of Compressive Strength (kg/cm²)

507

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express Train
Project
Eng. Osama Moflah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST., MOHANDESSEEN - GIZA
Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Kalamesh Co Date : 11-Jul-2022
Batch Plant: Express File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (59+057)	C.45

Date of Casting:- 13-Jun-2022
Cube Dimensions : 150*150*150

Code Iden No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/230	2.47	11-Jul-2022	28	225	130254	579
SC/230	2.49	11-Jul-2022	28	225	127602	567
SC/230	2.48	11-Jul-2022	28	225	130968	582

Average of Compressive Strength (kg/cm²)

576

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express
Eng. Osama Mofattah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Kalamesh Co

Date : 5-Jul-2022

Batch Plant: Express

File No.: 4800

Location :	Description	
	R/C/Culvert Box Station (61+477)	C.45

Date of Casting:-

7-Jun-2022

Cube Dimensions : 150*150*150

Code	Iden	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/205		2.49	5-Jul-2022	28	225	118728	528
SC/205		2.49	5-Jul-2022	28	225	113832	506
SC/205		2.48	5-Jul-2022	28	225	117300	521

Average of Compressive Strength (kg/cm²)

518

Remarks:

Prepared by:

Ege. Roudi Yehia

ARDAMAN Split
Reviewed by:
Ege. Osama Mohamed
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED SC. MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date :

5-Jul-2022

Batch Plant: Express

File No.:

4800

Location :

R.C/Culvert Box Station (61+477)

C45

Description

Mix

Date of Casting:-

7-Jun-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/205	2.50	5-Jul-2022	28	225	106998	476
SC/205	2.46	5-Jul-2022	28	225	118320	526
SC/205	2.49	5-Jul-2022	28	225	112812	501

Average of Compressive Strength (kg/cm2)

501

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egypt Reviewd by:
Eng. Osama Moflah

MATERIALS AND CONSTRUCTION DIVISION, E.A.F. EL-DOKKI - EL-DOKKI STATION CONCRETE QUALITY CONTROL - DATA REPORT Electric Trolley Train - 15 Meter Section		Client: Katarah Co Date: 14-Jun-2022 File No.: 4309				
Batch Plant: Process Location: R.C/Culvert Box Station (61+47.7)		Description: 15m				
Date of Casting: 7-Jun-2022 Cyl. Dimensions: 150*150*150		Code: G45				
Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/205	2.44	14-Jun-2022	7	225	87108	387
SC/205	2.42	14-Jun-2022	7	225	97512	433
SC/205	2.48	14-Jun-2022	7	225	104856	466
Average of Compressive Strength (kg/cm²)						
429						
Remarks:						
Prepared by: Eng. Roudi Yehia						

ARDA Mawadib
Eng. Osama M. Ibrahim
Egypt Egypt Project

ARDAMAN Split Reviewed by Egypt Express Train Late Osama Mottah Project							Prepared by: Eng. Roudi Yehia	
Remarks:								
Average of Compressive Strength (kg/cm²)							449	
Code Id	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)		
SC/205	2.49	14-Jun-2022	7	225	91902	408		
SC/205	2.47	14-Jun-2022	7	225	97104	432		
SC/205	2.50	14-Jun-2022	7	225	114240	508		
Cube Dimensions : 150*150*150							Date of Test: 7-Jun-2022	
Location:		R.C/Culvert Box Station (1-477)					C/E	
Description		M/C						
Client: Karamallah Co		Date: 14-Jun-2022					File No: 450	
Batch Place: Egypt		Project: Express Train - 15 / 15 Sector					LABORATORY: ARDAMAN SPLIT LABORATORY: ARDAMAN SPLIT LABORATORY: ARDAMAN SPLIT	

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESSEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamresh Co

Date : 21-Jul-2022

Batch Plant: Express

File No.: 4800

Location :

R.C/Culvert Box Walls Station (61+477) Sec.(1-2-3)

C.45

Description

Mix

Date of Casting:-

23-Jun-2022

Cube Dimensions : 150*150*150

Code Iden	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/288	2.49	21-Jul-2022	28	225	118830	528
SC/288	2.50	21-Jul-2022	28	225	116688	519
SC/288	2.47	21-Jul-2022	28	225	114342	508

Average of Compressive Strength (kg/cm²)

518

Remarks:

Prepared by:

Eng. Roudi Yehia

Egypt Express Mobain

AR DREW Medhy

Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA
Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 21-Jul-2022
Batch Plant: Express File No.: 4800

Location :	Description	
	R.C/Culvert Box Walls Station (61+477) Sec.(1-2-3)	C.45

Date of Casting:- 23-Jun-2022
Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/288	2.49	21-Jul-2022	28	225	120156	534
SC/288	2.48	21-Jul-2022	28	225	115974	515
SC/288	2.52	21-Jul-2022	28	225	124338	553

Average of Compressive Strength (kg/cm ²)	534
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Remarks:	
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Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egypti Katamesh Moham
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST. , MOHANDSEEN - GIZA
Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 21-Jul-2022
Batch Plant: Express File No.: 4800

Location :	Description
	R/C/Culvert Box Walls Station (61+477) Sec.(1-2-3)
	C.45

Date of Casting:- 23-Jun-2022
Cube Dimensions : 150*150*150

Code Iden No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/288	2.44	21-Jul-2022	28	225	119544	531
SC/288	2.51	21-Jul-2022	28	225	120462	535
SC/288	2.46	21-Jul-2022	28	225	115158	512

Average of Compressive Strength (kg/cm ²)	526
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Remarks:	
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Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Project
Eng. Osama Mottah

ARDAMAN Spill

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST., MOHANDSEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 30-Jun-2022

Batch Plant: Express

File No.: 4800

Location:

R/C/Culvert Box Walls Station (61+477) Sec.(1-2-3)

C-45

Description

Mix

Date of Casting:-

23-Jun-2022

Cube Dimensions: 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/288	2.41	30-Jun-2022	7	225	109650	487
SC/288	0.24	30-Jun-2022	7	225	105774	470
SC/288	2.40	30-Jun-2022	7	225	111588	496

Average of Compressive Strength (kg/cm2)

484

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Spill
Reviewed by:
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. - MOHANDESSEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 30-Jun-2022

Batch Plant: Express

File No.: 4800

Location :

R.C/Culvert Box Walls Station (61+477) Sec.(1-2-3)

C.45

Description

Mix

Date of Casting:-

23-Jun-2022

Cube Dimensions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/288	2.40	30-Jun-2022	7	225	111180	494
SC/288	2.42	30-Jun-2022	7	225	112200	499
SC/288	2.40	30-Jun-2022	7	225	110160	490

Average of Compressive Strength (kg/cm2)

494

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Electric Express Train
Project

ARDAMAN Spill

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESSEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 30-Jun-2022

Batch Plant: Express

File No.: 4800

Location :	Description
	R.C/Culvert Box Walls Station (61+477) Sec.(1-2-3)
C43	Mix

Date of Casting:- 23-Jun-2022

Cube Dimensions : 150*150*150

Code Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/288	2.41	30-Jun-2022	7	225	109650	487
SC/288	2.40	30-Jun-2022	7	225	110058	489
SC/288	2.41	30-Jun-2022	7	225	108936	484

Average of Compressive Strength (kg/cm2)	487
--	-----

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Spill
Reviewed by:
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST., MOHANDISEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamresh Co

Date: 15-Aug-2022

Batch Plant: Express

File No.: 4800

Location:

R.C/Culvert Box Slab Station (61+477) Sec.(1)

C-45

Description

Mix

Date of Casting:-

8-Aug-2022

Cube Dimensions: 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/493	2.47	15-Aug-2022	7	225	108732	483
SC/493	2.49	15-Aug-2022	7	225	107100	476
SC/493	2.45	15-Aug-2022	7	225	105366	468

Average of Compressive Strength (kg/cm²)

476

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Project
Osama Moflah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST. , MOHANDESEEN - GIZA
Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 15-Aug-2022

Batch Plant: Express

File No.: 4800

Location :	Description
	R.C/Culvert Box Slab Station (61+477) Sec.(1)

Date of Casting:- 8-Aug-2022 Cube Dimensions : 150*150*150

Code Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/493	2.43	15-Aug-2022	7	225	104652	465
SC/493	2.45	15-Aug-2022	7	225	111282	495
SC/493	2.47	15-Aug-2022	7	225	109650	487
Average of Compressive Strength (kg/cm2)						
482						

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:
Eng. Osama Mohamed

AKDAMAN Split
Egypt Express Train

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. , MOHANDESSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 15-Aug-2022

Batch Plant: Express

File No.: 4800

Location :

R.C/Culvert Box Slab Station (61+477) Sec.(I)

C.45

Description

Mix

Date of Casting:-

8-Aug-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/493	2.46	15-Aug-2022	7	225	110058	489
SC/493	2.48	15-Aug-2022	7	225	111282	495
SC/493	2.44	15-Aug-2022	7	225	107712	479

Average of Compressive Strength (kg/cm²)

487

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Electric Express Train
Project
Reviewed by:
Eng. Osama Mottah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED SC. MOHANDSEEN - GIZA

Tel.: 33448413 • Fax: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date: 15-Aug-2022

Batch Plant: Express

Location :	Description	
	R.C/Culvert Box Slab Station (61+477) Sec.(1)	C.45
	Mix	

Date of Casting:-

8-Aug-2022

Cube Dimenitions : 150*150*150

Code Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/493	2.47	15-Aug-2022	7	225	108732	483
SC/493	2.49	15-Aug-2022	7	225	107100	476
SC/493	2.45	15-Aug-2022	7	225	105366	468

Average of Compressive Strength (kg/cm2)

476

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by Train
Egypt Express Train
Eng. Osama Mottah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 15-Aug-2022

Batch Plant: Express

File No.: 4800

Location :	Description
	R.C/Culvert Box Slab Station (61+477) Sec.(1)

Date of Casting:- 8-Aug-2022

Cube Dimensions : 150*150*150

Code	Iden	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/493		2.46	15-Aug-2022	7	225	110058	489
SC/493		2.48	15-Aug-2022	7	225	111282	495
SC/493		2.44	15-Aug-2022	7	225	107712	479

Average of Compressive Strength (kg/cm²)

487

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Eng. Osama Mofah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA
 Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co Date : 15-Aug-2022
 Batch Plant: Express File No.: 4800

Location :	Description
	R.C/Culvert Box Slab Station (61+477) Sec.(1)
	Mix

Date of Casting:- 8-Aug-2022 Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/493	2.47	15-Aug-2022	7	225	109650	487
SC/493	2.45	15-Aug-2022	7	225	111282	495
SC/493	2.43	15-Aug-2022	7	225	104652	465
Average of Compressive Strength (kg/cm2)						482

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
 Reviewed by:
 Eng. Osama Mottah
 Electric Express Train
 Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 1-Sep-2022

File No.: 4800

Batch Plant: M.G Mix

Location :	Description	
	P.C/Culvert Box Wing Up Station (61+477)	C.25

Date of Casting:-

4-Aug-2022

Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/481	2.48	1-Sep-2022	28	225	79152	352
SC/481	2.51	1-Sep-2022	28	225	75276	335
SC/481	2.54	1-Sep-2022	28	225	71502	318

Average of Compressive Strength (kg/cm2)

335

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:
ABDAMAN Split
Electric Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katarnesh Co

Date : 11-Aug-2022

Batch Plant: M.G Mix

File No.: 4800

Location :	Description
	P.C/Culvert Box Wing Up Station (61+477)
	C.25
	Mix

Date of Casting:- 4-Aug-2022

Cube Dimensions : 150*150*150

Code	Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/481		2.47	11-Aug-2022	7	225	62220	277
SC/481		2.45	11-Aug-2022	7	225	62628	278
SC/481		2.46	11-Aug-2022	7	225	60078	267

Average of Compressive Strength (kg/cm2)	274
--	-----

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by: **ARDAMAN Split**
 Eng. Osama Mohab
 Egypt Express Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDSEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 24-Aug-2022

Batch Plant: M.G Mix

File No.: 4800

Location :	Description	
	Mix	C.45

Date of Casting:- 17-Aug-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/542	2.40	24-Aug-2022	7	225	89556	398
SC/542	2.38	24-Aug-2022	7	225	90984	404
SC/542	2.38	24-Aug-2022	7	225	103122	458

Average of Compressive Strength (kg/cm2)

420

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express Train
Eng. Osama Mottah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABD EL-KAWY AHMED ST., MOHANDSEEN - GIZA
Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamash Co Date : 31-Aug-2022
Batch Plant: M.G Mix File No.: 4800

Location :	Description
	R.C/Culvert Box Wing Wall Station (61+477)

Date of Casting:- 24-Aug-2022
Cube Dimensions : 150*150*150

Code Iden No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/588	2.50	31-Aug-2022	7	225	78030	347
SC/588	2.49	31-Aug-2022	7	225	91290	406
SC/588	2.45	31-Aug-2022	7	225	85986	382
Average of Compressive Strength (kg/cm ²)						378

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:
ARDAMAN Split
Eng. Osama Mofah
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 21-Sep-2022

Batch Plant: M.G Mix

File No.: 4800

Location :

R.C/Culvert Box Wing Wall Station (61+477)

C.45

Description

Mix

Date of Casting:-

24-Aug-2022

Cube Dimensions : 150*150*150

Code Idem	No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/588	2.46	21-Sep-2022	28	225	119442	531	
SC/588	2.46	21-Sep-2022	28	225	124338	553	
SC/588	2.48	21-Sep-2022	28	225	120972	538	
Average of Compressive Strength (kg/cm2)							540

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Eng. Roudi Yehia
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. MOHANDESEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 14-Sep-2022

Batch Plant: M.G Mix

File No.:

4800

Location :

R.C/Culvert Box Station (61+057) L&R

C45

Description

Mix

Date of Casting:-

17-Aug-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/542	2.47	14-Sep-2022	28	225	115668	514
SC/542	2.49	14-Sep-2022	28	225	116892	520
SC/542	2.45	14-Sep-2022	28	225	117810	524

Average of Compressive Strength (kg/cm²)

519

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:
Eng. Osama Mottah
ARDAMAN Split
Egypt Express Train
Project

ARDAMAN S.P.A

LABORATORY AND CONSTRUCTION TESTING UNIT
SAID EL-SAYED AHMED ST., MOHAMED EL-SAYED - QUA

Tel : 3344413 - Fax : 33031719

FOR THE QUALITY CONTROL - BATH EL-DIT

1.5 km Express Train - 15 May Sector

Date : 20-Apr-2022

Client : Katamesh Co

Batch Plant : Bapros

File No : 4800

Location :		Description
P.C/Culvert at (51+477)		
C25		M3

Ser.	Truck No.	Mixing Time	Arrived Time	Position S Time	Slump (cm.)	Conc. Temp. (°C)	No. of Cyls	Ident. Serial	Quantity m3	Remarks
1	33	09:41	10:05	10:27	19.0	27.0	2	SC/106	10.00	
2	22	09:48	10:15	10:55	18.0	26.0	2	"	9.00	
3	27	09:57	10:25	11:20	19.0	27.0	2	"	9.00	
4	28	12:07	12:22	12:42	18.0	26.0	.	"	9.00	
5	20	12:24	12:44	13:10	19.0	27.0	.	"	9.00	
6										
7										
8										
9										
10										
11										
12										
13										
14										
Total									46.00	M ³

General Remarks:-

Prepared by:

Eng. Roudi Yehia

ARDAMAN S.P.A
Reviewed by
Eng. Roudi Yehia
Project
Egypt Express Train
Mohamed El-Sayed

ARDAMIAN Spill

LABORATORY AND CONSTRUCTION TESTING, S.A.
 1300 EL-KHAYMA ARMED ST. - MOHAMEDSEN - GIZA
 TEL : 3303719 - FAX : 3303719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katarash Co

Date: 21-Apr-2022

Batch Plant: Progress

Job No: 4800

Location :

P.C/Culvert st (61+477)

C25

Description

Mix

Date of Casting :

20-Apr-2022

Cube Dimensions : 150*150*150

Code Idem	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/106	2.41	27-Apr-2022	7	225	65076	289
SC/106	2.43	27-Apr-2022	7	225	65280	290
SC/106	2.40	27-Apr-2022	7	225	58854	262

Average of Compressive Strength (kg/cm2)

280

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMIAN Spill
 Reviewed by
 Egypt Express Train
 Project
 Eng. Osama Mofah

ARDAMAN SPM

MATERIALS AND CONSTRUCTION TESTING, S.A.E.
3 ABD EL-KAWY ARMED ST. MOHAMED EL-SAYED - GIZA

Tel : 33448413 - Fax : 33031772

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Ordnance Survey Co

Date : 18-May-2022

Time : 4:00

Location :	
F.C/Culvert at (61+477)	
Description	
Mix	
C25	

Date of Casting :

20-Apr-2022

Cube Dimensions : 150*150*150

Code Id	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Casting Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/106	2.47	18-May-2022	28	225	72420	322
SC/106	2.49	18-May-2022	28	225	71910	320
SC/106	2.41	18-May-2022	28	225	82620	367
Average of Compressive Strength (kg/cm ²)						336

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN SPM
Reviewed by
Egypt Express Train
Osama Mohab

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED S. , MOHANDSEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - I5 May Sector

Client: Karamesh Co

Date : 26-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :

R.C/Culvert Box Station (93+617) Sec.(1-3)

C/45

Description

Mix

Date of Casting:-

19-Oct-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/794	2.48	26-Oct-2022	7	225	107100	476
SC/794	2.49	26-Oct-2022	7	225	102102	454
SC/794	2.49	26-Oct-2022	7	225	106080	471

Average of Compressive Strength (kg/cm2)

467

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Eng. Osama Morkh
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED S.E. MOHANDESSEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - I/S May Sector

Client: Katamesh Co

Date: 26-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location:

R.C/Culvert Box Station (93+617) Sec.(1-3)

C45

Description

Mix

Date of Casting:-

19-Oct-2022

Cube Dimensions : 150*150*150

Code Iden	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/794	2.55	26-Oct-2022	7	225	102408	455
SC/794	2.52	26-Oct-2022	7	225	108120	481
SC/794	2.57	26-Oct-2022	7	225	112098	498

Average of Compressive Strength (kg/cm2)

478

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Project
Eng. Osama Moflah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. , MOHANDESSEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Karamesh Co

Date : 25-Jul-2022

Batch Plant UNIMIX

File No.: 4800

Location :

P.C/Culvert Box Station (93+617)

C25

Description

Mix

Date of Casting:-

18-Jul-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/384	2.53	25-Jul-2022	7	225	66504	296
SC/384	2.51	25-Jul-2022	7	225	61608	274
SC/384	2.49	25-Jul-2022	7	225	70176	312
Average of Compressive Strength (kg/cm2)						294

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Eng. Osama Mofattah
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED S.L. MOHANDESSEEN - GIZA

Tel. : 33448413 - Fax : 33031219

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 15-Aug-2022

Batch Plant: UNIMIX

File No.: 4800

Location :

P.C/Culvert Box Station (93+617)

C.25

Description

Mix

Date of Casting:-

18-Jul-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/384	2.42	15-Aug-2022	28	225	73134	325
SC/384	2.42	15-Aug-2022	28	225	80988	360
SC/384	2.43	15-Aug-2022	28	225	78846	350

Average of Compressive Strength (kg/cm²)

345

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by:
Egypt Express Train
Project
Eng. Osama Moflah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED S. , MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Karamesh Co

Date : 22-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :

R.C/Culvert Box Station (93+617) Sec.(2)

C.45

Description

Mix

Date of Casting:-

15-Oct-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/777	2.44	22-Oct-2022	7	225	100266	446
SC/777	2.41	22-Oct-2022	7	225	104550	465
SC/777	2.40	22-Oct-2022	7	225	97920	435

Average of Compressive Strength (kg/cm2)

448

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Eng. Osama Moflah
Egypt Express Train

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED ST. , MOHANDSEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Karamesh Co

Date : 22-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :	Description
	R.C/Culvert Box Station (93+617) Sec.(2)

Mix

C-45

Date of Casting:-

15-Oct-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/777	2.37	22-Oct-2022	7	225	105978	471
SC/777	2.39	22-Oct-2022	7	225	103122	458
SC/777	2.41	22-Oct-2022	7	225	99246	441

Average of Compressive Strength (kg/cm2)

457

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egypt Express Train
Eng. Osama Morhab

نتائج تفسير المكعبات

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ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED SL. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 25-Jul-2022

Batch Plant: UNIMIX

File No.: 4800

Location :	Description	Mix
	P.C/Culvert Box Station (93+617)	<u>C.25</u>

Date of Casting:- 18-Jul-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/384	2.53	25-Jul-2022	7	225	66504	296
SC/384	2.51	25-Jul-2022	7	225	61608	274
SC/384	2.49	25-Jul-2022	7	225	70176	312
Average of Compressive Strength (kg/cm2)						294

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Reviewed by
Egyt Express Train
Eng. Osama Moutah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. . MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date: 15-Aug-2022

Batch Plant: UNIMIX

File No.: 4800

Location :	Description	Mix
	P.C/Culvert Box Station (93+617)	C.25

Date of Casting:- 18-Jul-2022

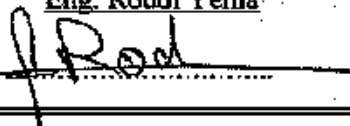
Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/384	2.43	15-Aug-2022	28	225	78846	350
SC/384	2.42	15-Aug-2022	28	225	80988	360
SC/384	2.42	15-Aug-2022	28	225	73134	325
Average of Compressive Strength (kg/cm2)						345

Remarks:

Prepared by:

Eng. Roudi Yehia



ARDAMAN Split
Reviewed by:
Egypt Express Train
Eng. Osama Mofteh
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 26-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (93+617) <i>محطة كوبر</i>	<u>C.45</u>

Date of Casting:- 19-Oct-2022

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/794	2.57	26-Oct-2022	7	225	112098	498
SC/794	2.52	26-Oct-2022	7	225	108120	481
SC/794	2.55	26-Oct-2022	7	225	102408	455

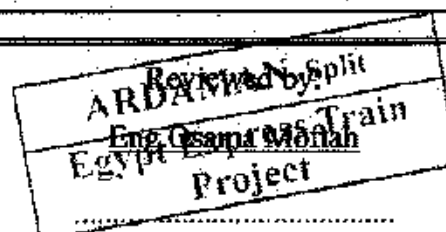
Average of Compressive Strength (kg/cm2)

478

Remarks:

Prepared by:

Eng. Roudi Yehia



ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 26-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (93+617)	<u>C.45</u>

Date of Casting:- 19-Oct-2022

Cube Dimentions : 150*150*150

Code Idn No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/794	2.49	26-Oct-2022	7	225	106080	471
SC/794	2.49	26-Oct-2022	7	225	102102	454
SC/794	2.48	26-Oct-2022	7	225	107100	476
Average of Compressive Strength (kg/cm ²)						467

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Monah

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Egypt Express Train
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MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 16-Nov-2022

Batch Plant: Reliance

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Station (93+617) Sec.(1-3)	<u>C.45</u>

Date of Casting:- 19-Oct-2022

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/794	2.19	16-Nov-2022	28	225	123420	549
SC/794	2.32	16-Nov-2022	28	225	121380	539
SC/794	2.35	16-Nov-2022	28	225	125766	559
Average of Compressive Strength (kg/cm2)						549

Remarks:

Prepared by:

Eng. Rouda Yelba

Reviewed by:

Eng. Rouda Yelba

Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 16-Nov-2022

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (93+617) Sec.(1-3)	C.45

Date of Casting:- 19-Oct-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g/cm ²)	Compressive (K.g/cm ²)
SC/794	2.27	16-Nov-2022	28	225	125562	558
SC/794	2.23	16-Nov-2022	28	225	115668	514
SC/794	2.40	16-Nov-2022	28	225	125154	556
Average of Compressive Strength (kg/cm ²)						543

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Mostafa

Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 22-Oct-2022

Batch Plant: Reliance

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Station (93+617) Sec.(2)	C.45

Date of Casting:- 15-Oct-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm ³)	Date Of Testing	Age of Cube (days)	Area Loaded (cm ²)	Crushing Load (K.g./cm ²)	Compressive (K.g./cm ²)
SC/777	2.37	22-Oct-2022	7	225	105978	471
SC/777	2.39	22-Oct-2022	7	225	103122	458
SC/777	2.41	22-Oct-2022	7	225	99246	441
Average of Compressive Strength (kg/cm ²)						457

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egypt Express Train
Project
Reviewed by:
Eng. Osama Mofiah

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 22-Oct-2022

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (93+617) Sec.(2)	<u>C.45</u>

Date of Casting:- 15-Oct-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/777	2.40	22-Oct-2022	7	225	97920	435
SC/777	2.41	22-Oct-2022	7	225	104550	465
SC/777	2.44	22-Oct-2022	7	225	100266	446
Average of Compressive Strength (kg/cm2)						448

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:
ARDAMAN Split
Egypt Express Train
Project
Eng. Osama Mofteh

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. . MOHANDESEEN - GIZA

Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date: 12-Nov-2022

Batch Plant: Reliance

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Station (93+617) Sec.(2)	<u>C.45</u>

Date of Casting:- 15-Oct-2022

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/777	2.48	12-Nov-2022	28	225	118218	525
SC/777	2.42	12-Nov-2022	28	225	120972	538
SC/777	2.38	12-Nov-2022	28	225	124032	551
Average of Compressive Strength (kg/cm2)						538

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

ARDAMAN Split
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 12-Nov-2022

Batch Plant: Reliance

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Station (93+617) Sec.(2)	<u>C.45</u>

Date of Casting:- 15-Oct-2022

Cube Dimentions : 150*150*150.

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/777	2.42	12-Nov-2022	28	225	117606	523
SC/777	2.42	12-Nov-2022	28	225	128724	572
SC/777	2.39	12-Nov-2022	28	225	123726	550
Average of Compressive Strength (kg/cm2)						548

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egyptian Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED SL . MOHANDESEEN - GIZA

Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 23/Nov/2022

Batch Plant: EMA COM

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Walls Station (93+617)	<u>C.45</u>

Date of Casting:- 16/Nov/2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/886	2.57	23/Nov/2022	7	225	107508	478
SC/886	2.56	23/Nov/2022	7	225	115260	512
SC/886	2.50	23/Nov/2022	7	225	110466	491
Average of Compressive Strength (kg/cm2)						494

<u>Remarks:</u>	
------------------------	--

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Mofteh

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719.

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector.

Client: Katamesh Co

Date : 14-Dec-2022

Batch Plant: EMA COM

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Walls Station (93+617)	C.45

Date of Casting:- 16-Nov-2022

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g./cm2)	Compressive (K.g./cm2)
SC/886	2.48	14-Dec-2022	28	225	124440	553
SC/886	2.51	14-Dec-2022	28	225	123216	548
SC/886	2.47	14-Dec-2022	28	225	121380	539

Average of Compressive Strength (kg/cm2)

547

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN Split
Egypt - Giza
Project

شركة رودي
ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABDEL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 19-Nov-2022

Batch Plant: EMA COM

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Walls Station (93+617) Segment (2)	<u>C.45</u>

Date of Casting:- 12-Nov-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/870	2.59	19-Nov-2022	7	225	104550	465
SC/870	2.53	19-Nov-2022	7	225	111180	494
SC/870	2.51	19-Nov-2022	7	225	103020	458

Average of Compressive Strength (kg/cm2) 472

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Mofiah

ARDAMAN Split

Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDESEEN - GIZA

Tel. : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 10-Dec-2022

Batch Plant: EMA COM

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Walls Station (93+617) Segment (2)	<u>C.45</u>

Date of Casting:- 12-Nov-2022

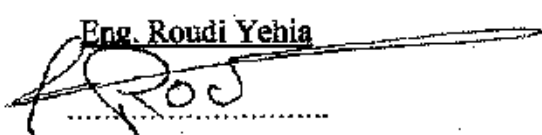
Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/870	2.39	10-Dec-2022	28	225	115872	515
SC/870	2.31	10-Dec-2022	28	225	114750	510
SC/870	2.40	10-Dec-2022	28	225	115464	513
Average of Compressive Strength (kg/cm2)						513

Remarks:

Prepared by:

Eng. Roudi Yehia



ARDAMAN Split
Reviewed by:
Egypt Express Train
Eng. Osama Mofah
Project

ARDAMAN SOIL

MATERIALS AND CONSTRUCTION TESTING S.A.E

3 ABD EL-KAWY AHMED ST. , MOHAMEDSEEN - GIZA

Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 24-Dec-2022

Batch Plant: EMA COM

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Slab Station (93+617) B.(1-3)	<u>C.45</u>

Date of Casting:- 17-Dec-2022

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/996	2.57	24-Dec-2022	7	225	110874	493
SC/996	2.52	24-Dec-2022	7	225	105468	469
SC/996	2.55	24-Dec-2022	7	225	97920	435

Average of Compressive Strength (kg/cm2)

466

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

Eng. Osama Mofah

ARDAMAN
Egypt Express Train
Project

ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABDEL-KAWY AHMED ST. - MOHANDSEEN - GIZA
Tel. : 33448013 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 14-Jan-2023

Batch Plant: EMA COM

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Slab Station (93+617) B.(1-3)	<u>C45</u>

Date of Casting:- 17-Dec-2022

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/996	2.52	14-Jan-2023	28	225	124032	551
SC/996	2.54	14-Jan-2023	28	225	117198	521
SC/996	2.54	14-Jan-2023	28	225	130050	578
Average of Compressive Strength (kg/cm2)						550

Remarks:

Prepared by:

Eng. Roudi Yehia

Reviewed by:

ARDAMAN Split
Eng. Osama M. El-Nah
Electric Express Train
Project

ARDAMAN S&T

MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 ABDEL-KAWY AHMED ST., MOHANDSEEN - GIZA
Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date: 15-Jan-2023

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Slab Station (93+617) B.(2)	C.45

Date of Casting:- 9-Jan-2023

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/1078	2.49	16-Jan-2023	7	225	98736	439
SC/1078	2.47	16-Jan-2023	7	225	108324	481
SC/1078	2.41	16-Jan-2023	7	225	100776	448

Average of Compressive Strength (kg/cm2)

456

Remarks:

Prepared by:

Eng. Roudi Yehia

ARDAMAN S&T
Reviewed By
Eng. Osama Mofah
Egypt Express Train
Project

ARDAMAN Split

MATERIALE AND CONSTRUCTION TESTING, S.A.E

1 ABDEL-KAWY AHMED S.L. MOHAMEDSEEN - GIZA

Tel.: 33443413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Karamesh Co

Date: 6-Feb-2023

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Slab Station (93+617) B.(2)	C.45

Date of Casting:- 9-Jan-2023

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/1078	2.46	6-Feb-2023	28	225	113628	505
SC/1078	2.47	6-Feb-2023	28	225	121380	539
SC/1078	2.47	6-Feb-2023	28	225	123318	548

Average of Compressive Strength (kg/cm2)

531

Remarks:

Prepared by:

Eng. Roudi Yehia

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MATERIALS AND CONSTRUCTION TESTING, S.A.E
3 AED EL-KAWY AHMED ST., MOHANDESEEN - GIZA
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CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Katamesh Co

Date : 29-Jan-2023

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Station (93+617) Wing (L&R)	<u>C.45</u>

Date of Casting:- 22-Jan-2023

Cube Dimentions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/1107	2.55	29-Jan-2023	7	225	102000	453
SC/1107	2.44	29-Jan-2023	7	225	107814	479
SC/1107	2.48	29-Jan-2023	7	225	103734	461

Average of Compressive Strength (kg/cm2)

465

Remarks:

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Tel : 33448413 - Fax : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 Mile Sector

Client: Katamesh Co

Date : 29-Jan-2023

Batch Plant: Reliance

File No.: 4800

	Description	Mix
Location :	R.C/Culvert Box Station (93+617) Wing (L&R)	C.45

Date of Casting:- 22-Jan-2023

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (Kg/cm2)	Compressive (Kg/cm2)
SC/1107	2.46	29-Jan-2023	7	225	99552	442
SC/1107	2.49	29-Jan-2023	7	225	95166	423
SC/1107	2.49	29-Jan-2023	7	225	94248	419

Average of Compressive Strength (kg/cm2)

428

Remarks:

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MATERIALS AND CONSTRUCTION TESTING, S.A.E

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Tel.: 33448413 - Fax.: 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train -15 May Sector

Client: Karamesh Co

Date: 19-Feb-2023

Batch Plant: Reliance

File No.: 4800

Location :	Description	Mtr
	R.C/Culvert Box Station (93+617) Wing (L&R)	C.45

Date of Casting:- 22-Jan-2023

Cube Dimensions : 150*150*150

Code Idem No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/1107	2.47	19-Feb-2023	28	225	114648	510
SC/1107	2.47	19-Feb-2023	28	225	113730	505
SC/1107	2.46	19-Feb-2023	28	225	115974	515

Average of Compressive Strength (kg/cm2)

510

Remarks:

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Tel. : 33448413 - Fax. : 33031719

CONCRETE QUALITY CONTROL - DAILY REPORT

Electric Express Train - 15 May Sector

Client: Katamesh Co

Date : 13-Feb-2023

Batch Plant: EMA COM

File No.: 4800

Location :	Description	Mix
	R.C/Culvert Box Wing Wall Station (93+617)	<u>C.45</u>

Date of Casting:- 6-Feb-2023

Cube Dimentions : 150*150*150

Code Iden No.	Unit Weight (gm/cm3)	Date Of Testing	Age of Cube (days)	Area Loaded (cm2)	Crushing Load (K.g/cm2)	Compressive (K.g/cm2)
SC/1133	2.46	13-Feb-2023	7	225	110262	490
SC/1133	2.42	13-Feb-2023	7	225	103836	461
SC/1133	2.45	13-Feb-2023	7	225	111588	496

Average of Compressive Strength (kg/cm2)

482

Remarks:

Prepared by:

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