



**CI APRON İNSAAT**



CI APRON İNŞAAT

## معلومات عنا

CI الشرق الأوسط وشمال إفريقيا في تركيا ، طلب العديد من الجوانب المتعلقة بالمطار ومشروع الرصف في مشاريع البناء ، وطلاءات خرسانية ، ومياه الأمطار ، باعتبارها رصيفاً خرسانياً عالي الجودة ، وطريق مطار APRON ، والصرف ، أعمال البنية التحتية مثل خطوط مياه الشرب ، وأعمال بناء الفناء المغلفة بالخرسانة ، وطلاء خرسانة الأسطح ، وأنظمة الخرسانة المصبوبة للحدود ، والخرسانة النهائية ، والخرسانة الهزازة بخرسانة ذات صبغة احترافية.

هي شريك في الحلول المتمحورة حول الجودة مع استهلاكه المهني والجودة في CI APRON CONSTRUCTION المشاريع المحلية والدولية.



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## قائمة المعدات الآلية

- 2015 MODEL WIRTGEN SP500 SLIPFORM FINISHER
- 2010 MODEL HEM 12 - 72 RIDING FORM FINISHER
  - 2010 MODEL VOLVO ASPAHLT FINISHER
  - 2010 MODEL HIDROMEK EXCAVATOR
    - 2010 MODEL BOMAG CYLINDIR
    - 2010 MODEL DUMPER TURKCS
  - WATER TANKER
  - COMPRESORS



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HEM RIDING FORM



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WIRTGEN SP500



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## مشاريع جارية

### مطار أضنة كوكوروفا الإقليمي

- 1.300.000 M2

- مطار ملاطية الرئيسي السابع  
330.000M2

- مركز كونيا كاياسيك اللوجستي  
5200.000 M2

# مطار أضنة كوكوروفا الإقليمي



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• مطار ملاطية الرئيسي السابع



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• مطار ملاطية الرئيسي السابع



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• مطار ملاطية الرئيسي السابع



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مركز كونيا كاياسيك اللوجستي



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مركز كونيا كاياسيك اللوجستي



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مركز كونيا كاياسيك اللوجستي



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KONYA KAYACIK LOJİSTİK MERKEZİ



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## **ANAHTAR TESLİM ÜST YAPI PROJELERİ**

- RAMADI - IRAQ ONCOLOGY HOSPITAL
- HILLA - IRAQ ONCOLOGY HOSPITAL
- BASRAH - IRAQ ONCOLOGY HOSPITAL
- SÜLEYMANİYE - IRAQ HOSPITAL
- İZMİR ADATEPE APARTMENTS COMPLEX
- AMASRA HELİPED TESİSİ



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مستشفى الأورام الرمادي



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مستشفى الأورام الرمادي



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مستشفى الأورام في البصرة



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مستشفى الأورام في البصرة



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مستشفى هيلا للأورام



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مستشفى هيلا للأورام



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مستشفى هيلا للأورام



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• منشأة أماصرة المروحية



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• منشأة أماصرة المروحية



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## مشاريع خارجية مكتملة

- مطار تونس
- مطار دمشق
- مطار عشق اباد
- مطار الرياض
- مطار تبليسي
- مطار جدة



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مطار تونس



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مطار دمشق



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مطار عشق اباد



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مطار الرياض



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مطار تبليسي



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## المشاريع المنجزة في تركيا

مطار أغدير.

225.000 M2

مطار بينغول.

247.000 M2

مطار كوتاهيا الإقليمي.

300.000 M2

مطار ديار بكر.

133.000 M2

مطار ماردين كيزيلاتيب.

250.000 M2

مطار مو

380.000 M2



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## المشاريع المنجزة في تركيا

- مدرسة اسبارتا البرية للطيران  
580.000 M2

- مطار ازمير عدنان مندريس  
50.000 M2

- مطار قونيا  
50.000 M2

- مطار غوكن اسطنبول صبيحة  
180.000 M2

مطار أنطاليا 45.000 M2



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## المشاريع المنجزة في تركيا

مطار أوساك.

240.000 M<sup>2</sup>

• مطار مرعش

110.000 M<sup>2</sup>

• مطار كارس

48.000 M<sup>2</sup>

• مطار أضنة شاكيرباشا

110.000 M<sup>2</sup>

• مطار غازي عنتاب

130.000 M<sup>2</sup>

• مطار إدريميت

40.000 M<sup>2</sup>



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## المشاريع المنجزة في تركيا

- بوابة هابر الحدوية  
300.000 M2

- بوابة هاتاي سيلفيغوزو الحدوية  
70.000 M2

- بوابة الحدود SARP  
50.000 M2

- مطار باتمان  
80.000 M2



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## مشاريع الطرق الخرسانية المنجزة

- شارع إزميت كارتيبي للخرسانة •  
19 KM

- طريق قرية طرابزون •  
25 KM

- لائحة الساحل بين أفجيلار توزلا •  
500.000 M2

- الطريق الدائري أضنة شاكير باشا  
13 KM



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مطار İĞDIR



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مطار بینجول



CI APRON İNŞAAT



مطار كوتاهيا الإقليمي



CI APRON İNŞAAT



مطار ديار بكر



CI APRON İNŞAAT



مطار ماردين



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مدرسة اسبارتا البرية للطيران



CI APRON İNŞAAT



مطار ازمير عدنان مندس



CI APRON İNŞAAT



مطار قونيا



CI APRON İNŞAAT



مطار غوكن اسطنبول صبيحة



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انتهاء المهمة



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**COMPLETION CERTIFICATE**  
(Sub-Contractor – Work Completion)

Date : 02.07.2013

1. Work holder Administration <sup>(a)</sup>	: General Directorate Of State Airports Authority Of Turkey (DHMI)
2. Client <sup>(b)</sup>	: TAV TEPE AKFEN YATIRIM İNŞAAT ve İŞLETME A.Ş.
3. Name of core business and tender registration number if any	: AIRPORT CONSTRUCTION
4. Work place	: IZMİR / TURKEY
5. Subcontractor name/surname or trade name	: DİZAYN PİST BETON YOL İNŞAATI SAN. TIC. LTD. ŞTİ
6. ID number/Tax Identification Number	: 301 054 9838
7. Work carried out by the subcontractor <sup>(c)</sup>	: Apron Excavation, Backfilling & Construction
8. Applied construction technique <sup>(d)</sup>	:
9. Main work contract date	: 30 November 2012
10. Initial contract price of the main work <sup>(e)</sup>	: 1.081.335,47 ( Turkish Lira)
11. Total contract value of the main work <sup>(f)</sup>	:
12. Date of contract between the subcontractor and the contractor <sup>(g)</sup>	: 7 January 2013
13. Value of the contract made between the subcontractor and contractor <sup>(h)</sup>	: 1.081.335,47 ( Turkish Lira)
14. Partial/ Qualified acceptance of the work carried out by the subcontractor <sup>(i)</sup>	:
15. Temporary Acceptance of the main work	: Not completed yet
16. Total amount of document <sup>(j)</sup>	:

## SIGNATURE

**TAV TEPE AKFEN**  
YATIRIM İNŞAAT ve İŞLETME A.Ş.  
Atatürk Mah. 1. Levent Çevre Mah. 1. Terminal  
Vatandaşlık İletişim  
Birleşik Akdeniz Mah. 1. Levent 34322 İSTANBUL  
*[Signature]*

## EXPLANATIONS

- (a) Name of the administration conducting the Work Contract shall be written.  
 (b) Name, surname or trade name of the work contractor shall be written.  
 (c) Description of work of the contract made between Subcontractor and Contractor shall be written.  
 (d) Regarding the specific characteristics of the building/construction, its terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, precasted concrete and similar shall be written. also, prefabricated construction, bricklaying, body construction technique and other similar matters showing the procedure for construction as well as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area and number of floors shall be written.  
 (e) All charges of prices and VAT excluded, if any discounts made from the tender, the contract price/value shall be written.  
 (f) Total amount of the contract shall be written including statutory increases from first contract (except for changes in prices and VAT excluded), and if any discounts of the tender are made.  
 (g) Date of Contract made between the subcontractor and the Main Work contractor.  
 (h) Price of Contract made between the subcontractor and the Main Work contractor.  
 (i) In case of partial acceptance of work due by the subcontractor, the acceptance date shall be written.  
 (j) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (3) and the work carried out by the subcontractor described in item (7) shall be written.



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**COMPLETION CERTIFICATE**  
(Sub-Contractor – Work Completion)

Date : 03.07.2013

1. Work holder Administration <sup>(a)</sup>	: ZAFER Havalimanı Yatırım A.Ş.
2. Client <sup>(b)</sup>	: IC İctis İnşaat A.Ş.
3. Name of core business and tender registration number if any	: Construction Contracting Company
4. Work place	: Kütahya-TÜRKİYE
5. Subcontractor name/surname or trade name	: Dizayn Pist Beton Yol İnşaatı San Tic.Ltd Şti.
6. ID number/Tax Identification Number	:
7. Work carried out by the subcontractor <sup>(c)</sup>	: Concrete Pavement Works
8. Applied construction technique <sup>(d)</sup>	: Republic of Turkey Ministry of Transport, Maritime Affairs and Communications , Directorate of Railways, Ports and Airports Specifications No:9-R, No:6-R and No: 4-B; TS 5926 EN 14188_2
9. Main work contract date	: 06.07.2011
10. Initial contract price of the main work <sup>(e)</sup>	: 50,000,000€
11. Total contract value of the main work <sup>(f)</sup>	: 50,000,000€
12. Date of contract between the subcontractor and the contractor <sup>(g)</sup>	: 28.03.2012
13. Value of the contract made between the subcontractor and contractor <sup>(h)</sup>	: 3.564.300TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor <sup>(i)</sup>	: 10.11.2012
15. Temporary Acceptance of the main work	: 20.11.2012
16. Total amount of document <sup>(j)</sup>	: 3.564.300TL

Signature  
Behzat of Project Manager  
**IC İctis İnşaat**  
İçerik İmalatı ve İmalatı Yatırım A.Ş.  
T.C. İD: 10102141234567890 T.C. İD: 10102141234567890  
Ceviz Mah. 4. Kat 10020 Adres: 34370

## EXPLANATIONS

- ( a ) Name of the administration conducting the Work Contract shall be written.
- ( b ) Name, surname or trade name of the work contractor shall be written.
- ( c ) Description of work of the contract made between Subcontractor and Contractor shall be written.
- ( d ) Regarding the specific characteristics of the building/construction; in terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, prefabricated construction, roofing, body construction technique and other similar matters showing the procedure for construction as well as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area and number of floors shall be written.
- ( e ) All changes of prices and VAT excluded, if any discount made from the tender, the contract price/value shall be written.
- ( f ) Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).
- ( g ) Date of Contract made between the subcontractor and the Main Work contractor.
- ( h ) Price of Contract made between the subcontractor and the Main Work contractor.
- ( i ) In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
- ( j ) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (8) and the work carried out by the subcontractor described in item (7) shall be written.



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**COMPLETION CERTIFICATE**

(Sub-Contractor – Work Completion)

Date : 05. July.2013

1. Work holder Administration <sup>(a)</sup>	: MSB, İng. Emlak ve Nato Güv. Yat. D. Bşk. İtg.
2. Client <sup>(b)</sup>	: Baytur İng. Taah. A.Ş. & Koçoglu İng. San. Tarım ve Hayvancılık Tic. A.Ş. Ortak Girişim. Abidin Daver Sok.
Address	:İsparta Kara Havaçılık Okul Komutanlığı İskan Tesisleri İnşaatı 21.01.2011.....2010/55/1935
3. Name of core business and tender registration number if any	:Runway, Taxiway and Aprons
4. Work place	:Dizayn Pist Beton Yol İnşası San. ve Tic. Ltd. Şti. Mehmet Akif Ersoy Cad. No:92/1 Sıriñyer/Buca İzmir/Turkey
5. Subcontractor name/surname or trade name	:Tel:00902324870774 Fax:00902324261358
6. ID number/Tax Idendtification Number	: Sirinyer V:D. No: 3014391468
7. Work carried out by the subcontractor <sup>(c)</sup>	: Excavation, Sub-basic, Basic, PMT, Weak Concrete, Concrete quality
8. Applied construction technique <sup>(d)</sup>	: Airport construction of infrastructure and superstructure construction
9. Main work contract date	: 13.07.2011
10. Initial contract price of the main work <sup>(e)</sup>	: 142.500.000,- TL
11. Total contract value of the main work <sup>(f)</sup>	: 149.743.762,50 TL
12. Date of contract between the subcontractor and the contractor <sup>(g)</sup>	: 13.11.2012
13. Value of the contract made between the subcontractor and contractor <sup>(h)</sup>	: 6.000.000,- TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor <sup>(i)</sup>	: 30.06.2013 %670
15. Temporary Acceptance of the main work	:
16. Total amount of document <sup>(j)</sup>	: 7.500.000,- TL

**SIGNATURE**

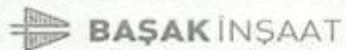
Atilla DEGERLİYURT  
 İnşaat Mühendisi  
 Sanitepe Sefi

**EXPLANATIONS**

- (a) Name of the administration conducting the Work Contract shall be written.
- (b) Name, surname or trade name of the work contractor shall be written.
- (c) Description of work of the contract made between Subcontractor and Contractor shall be written.
- (d) Regarding the specific characteristics of the building/construction; in terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, as well as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area and number of floors shall be written.
- (e) All changes of prices and VAT excluded, if any discounts made from the tender, the contract price/value shall be written.
- (f) Total amount of the contract shall be written, including statutory increases from first contract (except for charges in prices and VAT excluded), and if any discounts of the tender are made).
- (g) Date of Contract made between the subcontractor and the Main Work contractor.
- (h) Price of Contract made between the subcontractor and the Main Work contractor.
- (i) In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
- (j) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (f) and the work carried out by the subcontractor described in item (g) shall be written.



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**COMPLETION CERTIFICATE**  
(Sub-Contractor – Work Completion)

Date : 10.07.2013

1. Work holder Administration	GENERAL DIRECTORATE OF STATE AIRPORT'S AUTHORITY OF TURKEY
2. Client	BAŞAK TURİZM İNŞAAT LTD. ŞTİ. ANKARA/TURKEY
3. Name of core business and tender registration number if any	İĞDIR AIRPORT
4. Work place	İĞDIR / TURKEY
5. Subcontractor name/surname or trade name	DİZAYN PİST BETON YOL İNŞAATI SAN. TİC. LTD. ŞTİ.
6. ID number/Tax Identification Number	SİRİNLER V.D 301 054 9838
7. Work carried out by the subcontractor	AIRPORT CONSTRUCTION OF SUPERSTRUCTURE AND INFRASTRUCTURE
8. Applied construction technique	WEAK CONCRETE, CONCRETE QUALITY,excavation sub-basic and basic
9. Main work contract date	09.12.2010
10. Initial contract price of the main work	20.856.628.85 TURKISH LIRA
11. Total contract value of the main work	22.940.236.44 TURKISH LIRA
12. Date of contract between the subcontractor and the contractor	05.04.2012
13. Value of the contract made between the subcontractor and contractor	209.000,00 TURKISH LIRA
14. Partial/ Qualified acceptance of the work carried out by the subcontractor	06.07.2012
15. Temporary Acceptance of the main work	The project has been completed
16. Total amount of document	209.000,00 TURKISH LIRA

**SIGNATURE**  
 BAŞAK TURİZM İNŞAAT  
 OTL. BAŞAK TURİZM İNŞAAT  
 Sınan Bolukbasi Mah. 15. Sokak  
 No: 10/1 Çankaya - 06550 Ankara  
 Tel: +90 312 441 8138  
 E-mail: info@basakinsa.com.tr  
 Web: www.basakinsa.com.tr

**EXPLANATIONS:**

- C.i.1 Name of the administration conducting the Work Contract shall be written.  
 C.i.2 Name, surname or trade name of the work contractor shall be written.  
 C.i.3 Description of work of the contract made between Subcontractor and Contractor shall be written.  
 C.i.4 Regarding the specific characteristics of the building/construction, in terms of material characteristics such as brick or stone masonry; reinforced concrete, steel, wood, prefabricated concrete and similar shall be written; also prefabricated construction, riveting, body construction technique and other similar matters showing the procedure for construction as well as writer's showing the physical size of the construction such as construction area, audience capacity, viewing/auditorium exhibition area and number of floors shall be written.  
 C.i.5 All changes of prices and VAT excluded, if any discounts made from the tender bid contract price/value shall be written.  
 C.i.6 Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).  
 C.i.7 Date of Contract made between the subcontractor and the Main Work contractor:  
 C.i.8 Price of Contract made between the subcontractor and the Main Work contractor:  
 C.i.9 In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.  
 C.i.10 The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (7) and the work carried out by the subcontractor described in item (7) shall be written.



CI APRON İNŞAAT

**COMPLETION CERTIFICATE**  
(Sub-Contractor – Work Completion)

Date :

1. Work holder Administration <sup>(a)</sup>	: GENERAL DIRECTORATE OF STATE AIRPORTS AUTHORITY OF TURKEY
2. Client <sup>(b)</sup>	: EMT İNS.TURİZM.TİC.A.Ş ANKARA-TURKEY
3. Name of core business and tender registration number if any	: BİNGÖL AIRPORT
4. Work place	: BİNGÖL / TURKEY
5. Subcontractor name/surname or trade name	: DİZAYN PİST BETON YOL İNŞAATI SAN.TİC.LTD.STİ.
6. ID number/Tax Identification Number	: ŞİRİNİYER V.D 301 054 9838
7. Work carried out by the subcontractor <sup>(c)</sup>	: AIRPORT CONSTRUCTION OF SUPERSTRUCTURE AND INFRASTRUCTURE
8. Applied construction technique <sup>(d)</sup>	: WEAK CONCRETE, CONCRETE QUALITY,excavation sub-basic and basic
9. Main work contract date	: 29.01.2010
10. Initial contract price of the main work <sup>(e)</sup>	: 11,444,786,18TL
11. Total contract value of the main work <sup>(f)</sup>	: 13,732,808,03TL
12. Date of contract between the subcontractor and the contractor <sup>(g)</sup>	: 16.05.2012
13. Value of the contract made between the subcontractor and contractor <sup>(h)</sup>	: 977,927,30 TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor <sup>(i)</sup>	: 15.10.2012
15. Temporary Acceptance of the main work	: The project has been completed
16. Total amount of document <sup>(j)</sup>	: 977,927,30TL

**SIGNATURE**

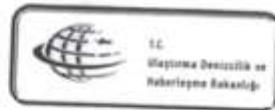
İNŞAAT TÜRLÜZ İŞLETME TİCARET A.Ş.  
İnşaat İşleri: 7.000.000 TL / Ticaret İşleri: 6.250.000 TL  
Banka Hesabı: 1000 0002 00 0000 0000 0000  
www.İnterface.com.tr

**EXPLANATIONS**

- (a) : Name of the administration conducting the Work Contract shall be written.
- (b) : Name, surname or trade name of the work contractor shall be written.
- (c) : Description of work of the contract made between Subcontractor and Contractor shall be written.
- (d) : Regarding the specific characteristics of the building/construction, in terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, prefabricated construction, tooling, body construction technique and other similar matters showing the procedure for construction, as well as matters showing the physical size of the construction such as construction area, audience capacity, closed indoor exhibition area and number of floors shall be written.
- (e) : All charges of prices and VAT excluded, if any discounts made from the tender, the contract price value shall be written.
- (f) : Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).
- (g) : Date of Contract made between the subcontractor and the Main Work contractor.
- (h) : Price of Contract made between the subcontractor and the Main Work contractor.
- (i) : In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
- (j) : The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (3) and the work carried out by the subcontractor described in item (7) shall be written.



CI APRON İNŞAAT



ZAFER BÖLGESEL HAVALİMANI  
PİST, APRON ve TAKSİYOLU  
KALİTELİ KAPLAMALARININ  
LCN/PCN ve PÜRÜZLÜLÜK  
RAPORU



ARAŞTIRMA DAİRESİ BAŞKANLIĞI

6886 / 2012



CI APRON İNŞAAT



T.C.  
ULAŞTIRMA DENİZCİLİK VE HABERLEŞME BAKANLIĞI

Altyapı Yatırımları Genel Müdürüğü

Sayı : B 11.0. DLH. 0. 19. 00. 06/210-01 / 18430

19/11/2012

Konu : Zafer Havalimanı PAT Sahaları LCN/PCN  
ve Pürüzaltı Raporu.

İC İÇTAŞ ZAFER HAVALIMANI YATIRIM ve İŞLETME A.Ş.  
Konur Sokak No: 58/204 Kızılay/ANKARA

İlgili : a) IC İÇTAŞ Zafer Havalimanı Yat. ve İşletme A.Ş. nın 17.09.2012 tarih ve 587 sayılı yazısı.  
b) DHMİ Genel Müdürlüğü'nün 21.09.2012 tarih ve 68524 sayılı yazısı.

İlgili yazınlarda Yap-Işlet-Devret Modeli ile ihale edilen ve IC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. taahhütündeki "Zafer Bölgesel Havzafram İmzası" işi binayesinde yapımı tamamlanan PAT sahaları kapılmalanın LCN/PCN ve pürüzaltı testlerinin yapılması talep edilmiştir.

Konu ile ilgili gerekli arazi çalışmaları 16-21.10.2012 tarihleri arasında Genel Müdürlüğü'nden Araştırma Dairesi Başkanlığı teknik personeli tarafından yapılmış olup, hazırlanan rapor yazı ekinde gönderilmiştir.

Bilgilerinizi rica ederim.

Y. Metin TAHAN  
Bakan a.  
Genel Müdür V.

EKİ: 1 Takım Rapor (4 sayfa ve eki 4sayfa pafta)

DAĞITIMLİ:

Bilgi:

- DHMİ Genel Müdürlüğü Etiler/ ANKARA
- İC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş.  
Konur Sokak No:58/204 Kızılay /ANKARA



CI APRON İNŞAAT

T.C.  
ULAŞTIRMA, DENİZCİLİK ve HABERLESME BAKANLIĞI  
Altyapı Yatırımları Genel Müdürlüğü

Araştırma Dairesi Başkanlığı  
Nükleer Ölçme ve Araştırma Şube Müdürlüğü

Rapor No : 5889  
Rapor Tarihi : 12.10.2012



ZAFER BÖLGESEL HAVALİMANI  
PIST, APRON ve TAKSİYOLU KALİTELİ KAPLAMALARININ  
LCN/PCN ve PÜRÜZLÜLÜK RAPORU

1. KONU :

Bu rapor; DHMİ Genel Müdürlüğünün 21.09.2012 tarih ve B.11.2.DHM.0.80.02.00-755-68524 sayılı yazısı ve İC İÇTAŞ Zafer Havalimanı Yat. ve İşletme A.Ş. nin 17.09.2012 tarih ve 587 sayılı yazısı gereği Yap-İşlet-Dovret Modeli ile ihale edilen İC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. taaħħididnuzzelek "Zafer Bölgesel Havaalanı İnşaatı" işi bünyesinde yapımı tamamlanan PAT sahanları kaliteli kaplamaları üzerinde 16-21/10/2012 tarihleri arasında gerçekleştirilen LCN/PCN ve Pürüzülük testlerinin değerlendirilmesine ilgindir.

2. TESTLER:

2.1. LCN TESTLERİ:

Zafer Bölgesel Havalimanının 3000x45m pisti, 150x240m apron ve 24x362,5m boyutlarındaki taksiyolu kaliteli beton kaplamalarının yapımında ulasılan performansların tespiti için gerçekleştirilen LCN testlerinde, yüklenici firma tarafından sağlanan kum yüklü bir treyler test yükü olarak kullanılmıştır.

Test yükünden alınabilen en çok 132.2763 lb'lık yük transferleri ile deney tarihinde 28 günlük dayanıklarını tamamlamış kaliteli beton kaplamalarında, konuların ek sayfada gösterilen toplam 22 ayrı istasyonda LCN testleri gerçekleştirilmişdir. LCN testlerinde,  $a=12$  inçlik test plakası üzerinden kaplamaya aktarılan yükere kargılık gelen defleksyonlar ve  $a=18$  inçlik standart plakaya göre dönüşümler tablo halinde aşağıya çıkarılmıştır, elde edilen veriler üzerinde emniyetli yük değerlendirmeleri yapılmıştır.

*[Signature]* *[Signature]*



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## LCN TABLOSU

TEST No	SERİT (Hm)	KONUM	Ø=12 İng TRANSFER YÜKÜ (lb)	Ø=12 İng Pista Mat. veya YIKILMA	Max. Def. x0.001 (Inç)	STANDART Ø=16 İng Pista YÜKÜ (lb)	OBEYLİMSİ YÜK (lb)	EMNIYETLİ YÜK (lb)
1	00+54 sağ 1	APRON	132.276	110.230	25	136.685	123.017	82.011
2	02+10 sol 2	APRON	132.276	110.230	24	136.685	123.017	82.011
3	03+57 sağ 2	APRON	132.276	110.230	26	136.685	123.017	82.011
4	05+13 sol 1	APRON	132.276	121.253	20	150.354	135.318	90.212
5	06+60 sağ 3	APRON	132.276	121.253	20	150.354	135.318	90.212
6	08+10 sol 3	TAX. Yolu	132.276	110.230	27	136.685	123.017	82.011
7	09+57 sağ 2	PIST	132.276	110.230	28	136.685	123.017	82.011
8	11+13 sol 1	PIST	132.276	110.230	24	136.685	123.017	82.011
9	12+50 sağ 1	PIST	132.276	121.253	19	150.354	135.318	90.212
10	14+40 sol 3	PIST	132.276	110.230	30	136.685	123.017	82.011
11	16+20 sağ 2	PIST	132.276	121.253	19	150.354	135.318	90.212
12	18+00 sol 1	PIST	132.276	121.253	21	150.354	135.318	90.212
13	20+13 sol 2	PIST	132.276	121.253	22	150.354	135.318	90.212
14	22+20 sağ 2	PIST	132.276	110.230	28	136.685	123.017	82.011
15	22+50	PIST	132.276	110.230	31	136.685	123.017	82.011
16	Ek Pftada	PIST	132.276	110.230	29	136.685	123.017	82.011
17	Ek Pftada	PIST	132.276	121.253	17	150.354	135.318	90.212
18	Ek Pftada	PIST	132.276	121.253	19	150.354	135.318	90.212
19	Ek Pftada	PIST	132.276	110.230	32	136.685	123.017	82.011
20	Ek Pftada	PIST	132.276	121.253	20	150.354	135.318	90.212
21	Ek Pftada	PIST	132.276	121.253	19	150.354	135.318	90.212
22	Ek Pftada	PIST	132.276	121.253	18	150.354	135.318	90.212

Ortalama Emniyetli Yük : Xz : 86.112  
 Yarım Standart Sıkma : vñ-1) : 4.197  
 Tek Teker Yük Edeğeri : ESWL : 81.915  
 Yük Smıflandırma Sayısı : LCN : 115  
 Yük Smıflandırma Grubu : LCG : 1

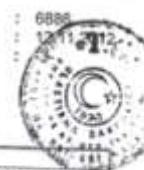
## 2. 2. HI-LO PÜRÜZLÜLÜK TESTLERİ:

Zafer Bölgesel Havalimanının 3000x45m pist ve 150x240m boyutlarındaki apron kaişeli kaplama betonlarının yüzey profili üzerindeki lokalize pürüzlerin, "9-R Kalteili Beton Kaplama Teknik Sartnamesi" tanımlarına uygun olarak tespiti için (3) metrelik mekanik master "SOILTEST CT-610 HI-LO Dector" kullanılmıştır. Tespit edilen lokalize pürüzler, şeritlere göre sayisal olarak aşağıda çıkarılarak konumları ek sayfalarda gösterilmiştir. (Taksiyolu kaplamalarının gövdesi deney tarihinde tamamlanmadığı)



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## PIST HI-LO TABLOSU (3x7,5m) (ek parça)

SERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6 mm'den Büyük (⊖)	3-6 mm Arası (-)	6 mm'den Büyük (⊕)
Sol 3	10	2	30	2
Sol 2	15	0	18	1
Sol 1	12	1	29	1
Sağ 1	14	2	24	2
Sağ 2	16	0	31	2
Sağ 3	28	1	20	2
TOPLAM	95	6	152	10

## DÖNÜŞ APRONLARI (3x7,5m) (ek parça)

SERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6 mm'den Büyük (⊖)	3-6 mm Arası (-)	6 mm'den Büyük (⊕)
1	3	0	4	0
2	0	0	1	0
3	2	0	1	0
4	1	0	1	0
5	3	0	1	0
6	1	0	0	0
TOPLAM	10	0	8	0

## APRON HI-LO TABLOSU (3x7,5m) (ek parça)

SERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6 mm'den Büyük (⊖)	3-6 mm Arası (-)	6 mm'den Büyük (⊕)
1	1	0	2	0
2	2	0	2	0
3	0	0	0	1
4	1	0	2	0
5	1	1	3	0
6	1	1	5	0
7	3	0	4	0
8	4	0	1	1
9	2	0	0	0
10	1	0	1	0
11	1	0	1	0
12	0	0	1	0
13	1	0	2	0
14	0	0	0	0
15	0	0	1	0
16	2	0	0	0
17	0	0	1	0
18	1	0	0	0
19	0	0	1	0
20	1	0	0	0
TOPLAM	22	2	27	2

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Rapor No : 6686  
Rapor Tarihi : 12.11.2012  
Sayfa No : 4-

### 2.3. RI (Roughneess Index):

Zafer Bölgesel Havalimanının 3000x45m boyutlarındaki pist kaliteli beton kaplamaların Pürüzlülük Indeksleri (RI); DLH "9-R Kaliteli Beton Kaplama Teknik Şartnamesi" öngörülerine uygun olarak "SOILTEST CT-444 Electronics Roughness Indicator" kullanılarak tespit edilmiştir. Altı şerit olarak oluşturulan pist kaliteli beton kaplamaların üzerinde her şeritte en az 4 ölçülmüş yapılarak elde edilen verilerin değerlendirilmesi sonucunda ortalamalı indeksler tablo halinde aşağıya çektilmiştir.

PIST RI TABLOSU

SERİT NO	PÜRUZLÜLÜK INDEKSİ (RI) (inc/mil)	
	00+60 / 18+69 Hm (1 mil)	13+31 / 29+40 Hm (1 mil)
Sol 3 (7,5m)	146	150
Sol 2 (7,5m)	143	149
Sol 1 (7,5m)	149	148
Sağ 1 (7,5m)	145	144
Sağ 2 (7,5m)	145	149
Sağ 3 (7,5m)	144	147

DLH 9-R Nolu Kaliteli Beton Kaplama Şartnamesi Limiti: RI, Maksimum 150 inc/mil

### 3. SONUÇ :

Yap-İşlet-Devret Modeli ile ihale edilen IC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. tarafından sözdeki "Zafer Bölgesel Havaalanı İnşası" işi bünyesinde yapımı tamamlanan pist, apron ve taksiyolu kaliteli beton kaplamaları üzerinde gerçekleştirilen testlerden alınan verilerin değerlendirilmesi sonucunda;

- Tespit edilen ve konumları ek sayfada gösterilen lokalize Hi-LO pürüzler, sayısal olarak tablolarda verilmüştür.
- Pist Yüzeysel Pürüzlülük Indekslerinin şeritlere göre; RI=143-150 inc/mil arasındaki değerleriyle "9-R Kaliteli Beton Kaplama Teknik Şartnamesi" ni sağladığı tespit edilmiştir.
- Zafer Havalimanının Pist, Apron ve taksiyolu kaliteli kaplamalarının eşdeğer performanslarında ve LCN 115 değerinde olduğu, tespit edilerek aşağıdaki değerlendirme yapılmıştır.

Zafer Havalimanı PAT Sahalan İçin:

DLH İmza Genel Müdürlüğü Anlaşma Dosyası Başkaşırığı 4183/2006 sayılı "Kazıda-Atıç-Üçak Sığınma Havaalanı Zemin İstihlak ve Muharebe Ünitesi raporu" ile 01.08.2007 tarih ve 2007/3 sayılı "Kazıda-Atıç-Üçak Havaalanı Kaplıca Kalemeklik Raporu" verilenin gemicisi "Kazakçık İsmail" adıyla İK/ET Mühür'le elzak tescip edilmiştir ve Zemin Sınıfı (D) elzak hizmeti mytir.

Ismail ÜSTEK  
Kımyager

PCN 110/ R / D / W / T

İsmail OZTÜRK  
Nük Ölç. ve Arq.Şb.Md. Y.





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