



مهندسان مشاور سازه

میدان نقش پهلوی - خیابان خرداد - تهران - شماره ۲۰ - تهران ۱۳۹۴
تلفن: ۰۲۱-۸۳۹۱۳۳۳ - فکس: ۰۲۱-۸۳۳۸۱۳۳ - نشانی: SAZE R ۰۰۰۰۰۰۰۰

تاریخ: ۱۳۸۲/۰۵/۲۰
شماره: س ک/ش اک-۱۸۳۷
پیوست: ندارد

جناب آقای مهندس سلیمیان
ریاست محترم کارگاه شرکت احداث

موضوع: تأیید مشخصات فنی گروت

با سلام،
در پاسخ به نامه شماره ۸۲/E/۰۰۳۴۱ ج.س مورخ ۸۲/۰۵/۲۰ آن شرکت در خصوص استفاده از گروت **Conbextra GP** در تجهیزات **rotary** اعلام می دارد که استفاده از گروت نامبرده در تجهیزات مذکور بلا مانع است. ضمناً شیوه اجرا و مشخصات فنی گروت مذکور بایستی مطابق با استاندارد و مشخصات ارائه شده طی ۴ برگ پیوست نامه شماره س ک/ش اک-۱۷۸۸-۱ مورخ ۱۳۸۲/۰۵/۱۹ باشد.

کلی - سر دفتر (۲) و سایر اطلاع

با احترام
نظارت مقیم مشاور سازه

دلاله
۸۲/۰۵/۲۰

یلک



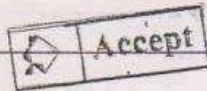
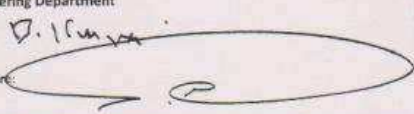
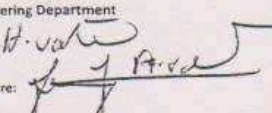

رونوشت:

- ریاست محترم ساختمان و نصب پتروشیمی جم، جهت استحضار
- مدیر محترم پروژه (نظارت) واحد HDPE، جهت استحضار
- پرونده ۱۰۳/E
- پرونده ۱۱۲M

“م”

شماره ثبت دفتر: ۳۹۴

مطلوبه است
 ناسم و ناسم
 ناسم و ناسم

| | |
|--|---|
|  | |
| South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2 | |
| Request for Material Approval (RMA) | |
| Contract No : | CCA /88 / 3174 |
| Document No : | |
| RMA No : | RMA2-CV-00007 |
| Date : | 26 JULY 10 |
| Material Description : | Renderoc TGXtrc |
| Vendor Name : | FOSROC Co. |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> None Approved Vendor <input type="checkbox"/> Others: <input checked="" type="checkbox"/> (Specify) <i>This Mat. Category is n/a at vendor list.</i> |
| Respective Work Package (Specify) : | Repairing aaAll Concrete Pouring Area |
| Drawing No(s) : | |
| Acceptance Criteria : | |
| Attachments: | Sample <input type="checkbox"/> Catalogue <input checked="" type="checkbox"/> Certificates <input checked="" type="checkbox"/> Others: <input type="checkbox"/> (Specify) |
| Recommendations : | |
| Contractor: | Company: |
| Company Comments : <i>It's accepted</i>   | |
| APPROVAL and SIGNATURES | |
| CONTRACTOR : | |
| Engineering Department Name: <i>D. I. ...</i> Signature:  | Site Manager Name: <i>H. ...</i> Signature: <i>H. ...</i> |
| COMPANY (PPL) : | |
| Engineering Department Name: <i>H. ...</i> Signature:  | Site Manager Name: <i>H. P. Langrudi</i> Signature:  |
| RMA Approval Status: Approved <input checked="" type="checkbox"/> Approved with Comments <input type="checkbox"/> Rejected <input type="checkbox"/> | |
| Notice: All of the colored field will be filled by Company. | |



RECEIVED
 21 JUL 2010
 NO: 0067
 PPL KANGAN - PROJECT 2010



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

Request for Material Approval (RMA)

| | | | |
|--|--|---|---|
| Contract No : | CCA / 88 / 3174 | Document No : | |
| RMA No : | RMA2-CV-00022 | Date : | 9 Aug 2010 |
| Material Description : | Concrete 90 | | |
| Vendor Name : | FOSROC Co. | | |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> | None Approved Vendor <input type="checkbox"/> | Others (Specify) <input checked="" type="checkbox"/> N/A at Vendor list |
| Respective Work Package (Specify) : | All Area | | |
| Drawing No(s) : | | | |
| Acceptance Criteria : | | | |
| Attachments: | Sample <input type="checkbox"/> | Catalogue <input checked="" type="checkbox"/> | Certificates <input type="checkbox"/> Others (Specify) <input type="checkbox"/> |
| Recommendations : | | | |
| Contractor: | Company: Accept | | |
| Company Comments : | <p><i>provisionally</i></p> <p>It's accepted. It should be noted that for the purpose of verifying this product has no negative influence on concrete as a trial sample applied by Concreco should be prepared and its 7 days compressive strength should be submitted to Company.</p> <p><i>H. Vahedi</i></p> | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name: <i>A. Nayeri</i> Signature: <i>[Signature]</i> | Site Manager Name: <i>[Signature]</i> Signature: <i>[Signature]</i> DAELIM / SAZEH / KAYSON / I.L.N.D. 30-12 EPC2 DSKI JV | | |
| Engineering Department Name: <i>H. Salehi</i> Signature: <i>[Signature]</i> | Site Manager Name: <i>H.P. Langrudi</i> Signature: <i>[Signature]</i> | | |
| RMA Approval Status: Approved <input checked="" type="checkbox"/> Approved with Comments <input checked="" type="checkbox"/> Rejected <input type="checkbox"/> | | | |
| Notice: All of the colored field will be filled by Company. | | | |



RECEIVED
09 AUG 2010
NO: 00022
PPL KANGARU - PROJECT SP12



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

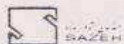
Request for Material Approval (RMA)

| | | | |
|--|---|---|--|
| Contract No : | CCA / 88 / 3174 | Document No : | |
| RMA No : | RMA2-CV-00023 | Date : | 9.Aug.2010 |
| Material Description : | Dekguard 5 | | |
| Vendor Name : | FOSROC Co. | | |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> | None Approved Vendor <input type="checkbox"/> | Others: <input checked="" type="checkbox"/> N/A at Vendor list <i>Shij</i> |
| Respective Work Package (Specify) : | All Area | | |
| Drawing No(s) : | | | |
| Acceptance Criteria : | | | |
| Attachments: | Sample <input type="checkbox"/> | Catalogue <input checked="" type="checkbox"/> | Certificates <input type="checkbox"/> Others: <input type="checkbox"/> (Specify) |
| Recommendations : | | | |
| Contractor: | Company: <input checked="" type="checkbox"/> Accept | | |
| Company Comments : | <i>It's accepted considering following items:</i> <i>⊙ Two coats of a light grey epoxy paint with a minimum of 125 micrometers per coat should be applied.</i> | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name: <i>A. Nayan</i> Signature: <i>[Signature]</i> | Site Manager Name: <i>[Signature]</i> Signature: <i>[Signature]</i> DAELIM SAZEH KAYSON I.I.N.D. SP-12/EPC2/DSK/10 | | |
| Engineering Department Name: <i>H. Salehi</i> Signature: <i>[Signature]</i> <i>6-AUG-2010</i> | Site Manager Name: <i>H. P. Langradi</i> Signature: <i>[Signature]</i> <i>10 Aug 10</i> | | |
| RMA Approval Status: | Approved <input checked="" type="checkbox"/> | Approved with Comments <input type="checkbox"/> | Rejected <input type="checkbox"/> |

Notice: All of the colored field will be filled by Company.

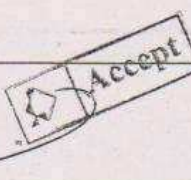

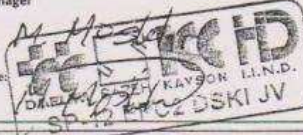
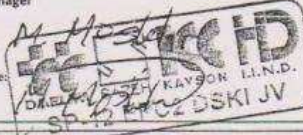
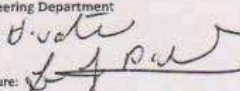



RECEIVED
 09 AUG 2010
 0023
 PROJECT SP12



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

Request for Material Approval (RMA)

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| Contract No : | CCA /88 / 3174 | Document No : | |
| RMA No : | RMA2-CV-00008 | Date : | 20 JULY 10 |
| Material Description : | Nitroproof 100 | | |
| Vendor Name : | FOSROC Co. | | |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> | None Approved Vendor <input type="checkbox"/> | Others: <input checked="" type="checkbox"/> (Specify) <i>This Mat. Category is N/A at Vendor list.</i> |
| Respective Work Package (Specify) : | All Concrete Pouring Area | | |
| Drawing No(s) : | | | |
| Acceptance Criteria : | | | |
| Attachments: | Sample <input type="checkbox"/> | Catalogue <input checked="" type="checkbox"/> | Certificates <input checked="" type="checkbox"/> Others: <input type="checkbox"/> (Specify) |
| Recommendations : | | | |
| Contractor: | Company: | | |
| Company Comments: <i>It's accepted. f.m.</i>  | | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name: <i>B. Ramani</i> Signature:  | Site Manager Name: <i>M. Hossain</i> Signature:   | | |
| Engineering Department Name: <i>D. V. S. Ravi</i> Signature:  | Site Manager Name: <i>H. P. Langrudi</i> Signature:  | | |
| RMA Approval Status: Approved <input checked="" type="checkbox"/> Approved with Comments <input type="checkbox"/> Rejected <input type="checkbox"/> | | | |
| Notice: All of the colored fields will be filled by Company. | | | |



RECEIVED
21 JUL 2010
NO. 0008
OF LANGRAN - PROJECT SP12



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2


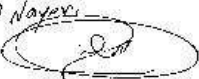


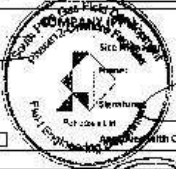
Request for Material Approval (RMA)

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|---|--|--|--|
| Contract No : | CCA /88 / 3174 | Document No : | |
| RMA No : | RMA2-CV-00012 | Date : | 22 JULY 10 |
| Material Description : | Complast SP432M | | |
| Vendor Name : | Fosroc Co | | |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> | None Approved Vendor <input type="checkbox"/> | Others (Specify) <input checked="" type="checkbox"/> <i>Other Mat. Contingency " info at Vendor list TWT</i> |
| Respective Work Package (Specify) : | All Concrete Pouring Area | | |
| Drawing No(s) : | | | |
| Acceptance Criteria : | | | |
| Attachments: | Sample <input type="checkbox"/> | Catalogue <input checked="" type="checkbox"/> | Certificates <input type="checkbox"/> Others (Specify) <input type="checkbox"/> |
| Recommendations : | | | |
| Contractor: | Company: <input checked="" type="checkbox"/> Accept | | |
| Company Comments : | <i>It might be accepted based on receiving approved mix designs. [Signature]</i> | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name: <i>A. Nayan</i> Signature: <i>[Signature]</i> | Site Manager Name: <i>[Signature]</i> Signature: <i>[Signature]</i> DAEWOO E&C SUDAN L.L.C. S.P. 12 EPC2 DSKI JV | | |
| COMPANY (PPL) : | | | |
| Engineering Department Name: <i>[Signature]</i> Signature: <i>[Signature]</i> | Site Manager Name: <i>[Signature]</i> Signature: <i>[Signature]</i> | | |
| RMA Approval Status: | Approved <input type="checkbox"/> | Approved with Comments <input checked="" type="checkbox"/> | Rejected <input type="checkbox"/> |

Notice: All of the colored field will be filled by Company.



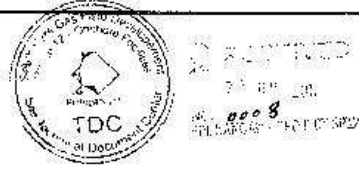
cc12

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| South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2 Request for Material Approval (RMA) | |
| Contract No: | 01A/88/1114 |
| Document No: | |
| RMA No: | RMA2 CV 0023 |
| Date: | 22 JULY 10 |
| Material Description: | Coilpils 5532RMS |
| Vendor Name: | TRINIS Co. |
| Vendor Reference (To be filled by Company): | <input type="checkbox"/> Approved Vendor <input type="checkbox"/> Main Approved Vendor <input checked="" type="checkbox"/> Others (Specify) <i>This mat category is N/A at Vendor list.</i> |
| Respective Work Package (Specify): | All Concrete Paving Area |
| Drawing No(s): | |
| Attachment Criteria: | |
| Attachments: | <input type="checkbox"/> Sample <input type="checkbox"/> Catalogue <input type="checkbox"/> Certification <input type="checkbox"/> Others (Specify) |
| Recommendations: | |
| Contractor: | <input checked="" type="checkbox"/> Accept |
| Company Comments: <i>It might be accepted based on receiving approved mat design.</i> | |
| APPROVAL and SIGNATURES | |
| CONTRACTOR: | |
| Engineering Department Name: | A. Nayavi |
| Signature: |  |
| Site Name: | Site No: |
|  | |
| Engineering Department Name: | H. Valani |
| Signature: |  |
|  | |
| RMA Approval Status: | <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Rejected with Comments <input type="checkbox"/> Rejected |
| <small>Note: All of the drawings are submitted by Company</small> | |



22 JUL 2010
 00:12
 PULSAR

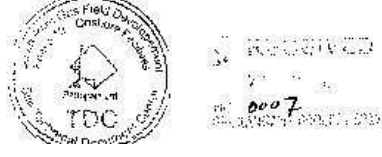
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| South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2 Request for Material Approval (RMA) | |
| Contract No.: | CLA 981 / 3174 |
| RMA No.: | RMA7 CV 0005 |
| Material Description: | Reinforcing Bar |
| Vendor Name: | LOMHE Co |
| Vendor Reference: | <input type="checkbox"/> Approved Vendor <input type="checkbox"/> Non Approved Vendor <input checked="" type="checkbox"/> Others (Specify) <i>This Mat. Category is N/A at Vendor list.</i> |
| Respective Work Package (Specify): | All Concrete Pouring Area |
| Attachment: | <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> Others (Specify) |
| Recommendations : Contractor: _____ Company: _____ | |
| Company Comments: <i>It's accepted for</i> | |
| APPROVAL and SIGNATURES | |
| CONTRACTOR : | |
| Engineering Department Name: <i>KS. K. ...</i> Signature: | Site Manager Name: <i>...</i> Signature: |
| Engineering Department Name: <i>H. ...</i> Signature: | Site Manager Name: <i>H. P. Langrudo</i> Signature: |
| RMA Approval Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected with Comments <input type="checkbox"/> Rejected | |
| <small>Note: All of the columns should be filled by Company.</small> | |



Contract No: SGA/JR/1176 Document No:
 RMA No: RMA2-CH-00007 Date: 20 JULY 20
 Material Description: Reinforce TG Mfg
 Vendor Name: HONGKUI Co
 Vendor Reference (To be filled by Company): Approved Vendor None Approved Vendor Others (Specify) *This Mat. Category is N/A at Vendor list*
 Respective Work Package (Specify): Repairing as All Concrete Pouring Area
 Drawing No(s):
 Acceptance Criteria:
 Attachments: Sample Catalogue Certificate Others (Specify)

Recommendations:
 Contractor: Company:
 Company Comments: *It's accepted for*

APPROVAL and SIGNATURES
CONTRACTOR:
 Engineering Department Name: *KB KAMAR* Site Manager Name: *KCHD*
 Signature: *[Signature]* Signature: *[Signature]*
CLIENT:
 Engineering Department Name: *H. Sater* Signature: *R. Langud*
 RMA Approval Status: Approved Approved with Comments Rejected
Note: After the labour force is fixed by Company





South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

Request for Material Approval (RMA)

| | | | |
|---|--|---|---|
| Contract No : | CCA /M / 3174 | Document No : | |
| RMA No : | RMA2-CV-0003 | Date : | 9 Aug 2010 |
| Material Description : | Detguard 5 | | |
| Vendor Name : | FOSROC Co. | | |
| Vendor Reference : (To be filled by Company) | Approved Vendor <input type="checkbox"/> | None Approved Vendor <input type="checkbox"/> | Others (Specify) <input checked="" type="checkbox"/> N/A at Vendor list J. Elgarnal |
| Respective Work Package (Specify) : | All Area | | |
| Drawing No(s) : | | | |
| Acceptance Criteria : | | | |
| Attachments : | Sample <input type="checkbox"/> | Catalogue <input type="checkbox"/> | Certificate <input type="checkbox"/> Others (Specify) <input type="checkbox"/> |
| Recommendations : | | | |
| Contractor : | Company: <input checked="" type="checkbox"/> Accept | | |
| Company Comments : | It's accepted considering following items: @ Two coats of a light gray epoxy paint with a minimum of 125 micrometers per coat should be applied | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name : | A. Nayer | Site Manager Name : | X SKID |
| Signature : | | Signature : | |
| COMPANY (PPL) : | | | |
| Engineering Department Name : | H. Salehi | Site Manager Name : | H. P. Langradi |
| Signature : | | Signature : | |
| RMA Approval Status : | Approved <input checked="" type="checkbox"/> | Approved with Comments <input type="checkbox"/> | Rejected <input type="checkbox"/> |

Notice: All of the locked field will be filled by Company



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

Request for Material Approval (RMA)

contract No : CCA/88/3174 Document No :

RMA NO: RMA2-CV-00168 Date : 27-Jul-11

Material Description : Supercast PVC (PVC Water stop)

Vendor Name : Fosroc

Vendor Reference : (To be filled by Company) Approved Vendor Nbn Approved Vendor Others: (Specify) *M. Sallal 9*

Respective Work Package (Specify) : Unit 125 (Sea water Intake basin "125-X-101" general plan "3/3")

Drawing No(s) : SP12-2Y2-CV-DW-125-503-03-D4 SP12-2Y2-CV-DW-125-503-10-D4 SP12-2Y2-CV-DW-125-503-11-D4
SP12-2Y2-CV-DW-125-503-12-D3 SP12-2Y2-CV-DW-125-503-13-D3 SP12-2Y2-CV-DW-125-503-14-D3

Acceptance Criteria :

Attachments: Sample Catalogue Certificates Others: (Specify) Data sheet

Recommendations :

Contractor: *Accept*
TDC 28 JUL 2011
TDC RECEIVED
27 JUL 2011
Reg.No: 00373
PPL 12 Onshore Site Office

Company Comments :
The submitted water stop is accepted and should be used in all construction joints positions

APPROVAL and SIGNATURES

CONTRACTOR :

| | |
|---|---|
| <p>Engineering Department Name: <i>A. Rahmati</i> FEM: Signature: <i>27-July-2011</i></p> | <p>Site Manager Name: Signature: <i>M. SAZEH 27.07.2011</i></p> |
|---|---|

COMPANY (PPL) :

| | |
|--|--|
| <p>Engineering Department Name: <i>A. Mohammad Pour</i> Signature: <i>28 July 2011</i></p> | <p>Site Manager Name: <i>A. Mohammad Pour</i> Signature: <i>28 July 2011</i></p> |
|--|--|


RMA Approval Status: Approved Approved with Comments Rejected

Notice: All of the colored field will be filled by Company.



South Pars Gas Field Development Phase 12 Onshore Facilities - EPC2

Request for Material Approval (RMA)

| | | | |
|--|--|--|--|
| contract No : CCA/88/3174 | | Document No : | |
| RMA NO: RMA2-CV-00224 | | Date: 25-Dec-11 | |
| Material Description : HYDROCELL XL (JOINT FILLER) | | | |
| Vendor Name : Mana Sanat Co. (Fosroc) | | | |
| Vendor Reference : (To be filled by Company) Approved Vendor <input type="checkbox"/> None Approved Vendor <input type="checkbox"/> Others: (Specify) <input type="checkbox"/> <i>MAAC</i> | | | |
| Respective Work Package (Specify) : WP-02 (only for filler, not sealant) | | | |
| Drawing No(s) : SP12-2YY-CV-DW-999-003-01-D2 | | | |
| Acceptance Criteria : | | | |
| Attachments: Sample <input checked="" type="checkbox"/> Catalogue <input checked="" type="checkbox"/> Certificates <input type="checkbox"/> Others: (Specify) <input checked="" type="checkbox"/> Standards Certification <i>Old RMA2-CV-00215</i> | | | |
| Recommendations : | | | |
| Contractor: | | Company: | |
| | |  | |
| Company Comments : <i>It's accepted.</i> | | | |
| APPROVAL and SIGNATURES | | | |
| CONTRACTOR : | | | |
| Engineering Department Name: <i>P. Yousefi</i> Signature: <i>P. Yousefi</i> <i>25-Dec-2011</i> | | Site Manager Name: <i>M. SANALI</i> Signature: <i>M. SANALI</i> <i>25-12-2011</i> | |
| COMPANY (PPL) : | | | |
| Engineering Department Name: <i>J. P. ...</i> Signature: <i>J. P. ...</i> <i>28 Dec 2011</i> | | Site Manager Name: <i>G. ...</i> Signature: <i>G. ...</i> <i>28/Dec/2011</i> | |
| RMA Approval Status: Approved <input checked="" type="checkbox"/> Approved with Comments <input type="checkbox"/> Rejected <input type="checkbox"/> | | | |
| Notice: All of the colored field will be filled by Company. | | | |

تاریخ: ۱۳۸۶/۰۵/۱۹



تاریخ: ۱۳۸۶/۰۵/۱۹
شماره: بی گدش آگ-۱۷۸۸
پیوست: ندارد

مهندسان مشاور ریاست

تهران: خیابان ولیعصر، پلاک ۱۰۰، طبقه ۳، پ. م. ۱۳۳۱۱۳۳۱
تلفن: ۰۲۱-۸۸۸۸۸۸۸۸

جناب آقای مهندس سلیمیان
ریاست محترم کارگاه شرکت احداث

موضوع: تأیید مشخصات فنی گروت

با سلام،

در پاسخ به نامه شماره ۸۲/ع/۰۰۳۳۰ ج.س مورخ ۸۲/۰۵/۱۸ آن شرکت در خصوص استفاده از گروت **Conbextra GP** اعلام می دارد که استفاده از گروت نامبرده در تجهیزات استاتیکی بلا مانع است. ضمناً شیوه اجرا و مشخصات فنی گروت مذکور مطابق با استاندارد و مشخصات ارائه شده طی ۴ برگ پیوست ارائه می گردد.

با احترام
نظارت مقیم مشاور سازه

کن - معطوفه رد بر غیر اینست
والفکر

۸۱/۰۵/۲۰

رونوشت:

- ریاست محترم ساختمان و نصب پتروشیمی جم، جهت استحضار
- مدیر محترم پروژه (نظارت) واحد HDPE، جهت استحضار
- پرونده ۱۰۳/ع
- پرونده ۱۱۲M

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شماره ثبت دفتر: ۳۸۸