

بسم الله الرحمن الرحيم

REPUBLIC OF IRAQ  
MINISTRY OF OIL  
NORTH GAS COMPANY (NGC)



وزارة النفط  
MINISTRY OF OIL  
شركة غاز الشمال (شركة عامة)

REF. NO.: M7/281/2/ 1700

DATE: 26/04/2011

TO:

E-mail:

2

**SUBJ.: INDENT NO. 2024/ 2011  
QUOTATION FOR THE SUPPLY OF  
SPARE FOR SRU 4700 PURGE METER**

Dear sirs,

Pls. quote yr prices for the supply of materials as the two attached lists of technical specifications and special conditions & requirements:

**Taking Into Yr Consideration That :**

Offers must be in sealed envelopes (technical & commercial offers) with indent number and closing date clearly mentioned on the envelopes, addressed to the attention of B.B.C. (BROADLY BIDS BOX) at NORTH GAS COMPANY, P.O.BOX (16) – KIRKUK, IRAQ, must be dropped in the B.B.C. tenders box at the N.G.C. reception.

Best Regards

N/B : All enclosed terms & conditions are to be covered entirely otherwise submitted offer would be declined for a/m reasons

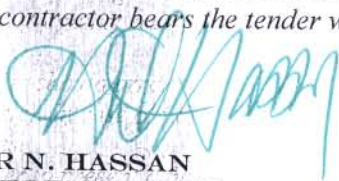
HUNAR N. HASSAN  
DIRECTOR GENERAL  
CHAIRMAN OF BOARD

P. BOX (16) KIRKUK  
BAIJI-KIRKUK ROAD  
E-MAIL: [gas@ngc.gov.iq](mailto:gas@ngc.gov.iq)  
WEBSITE: [www.ngc.gov.iq](http://www.ngc.gov.iq)

*Attached list of special condition and requirement*  
*Ministry of oil*  
*North Gas Company*  
*Indent number: 2024/2011*

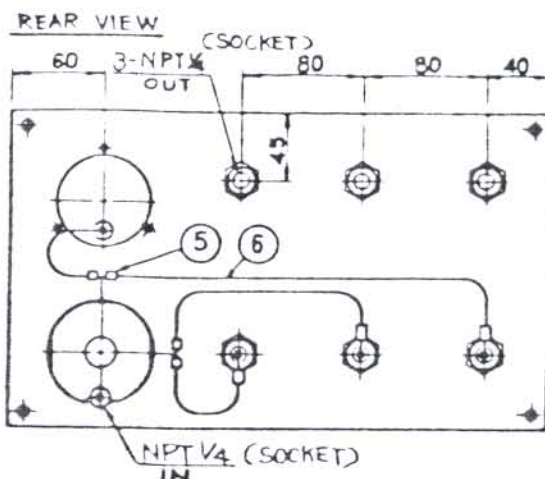
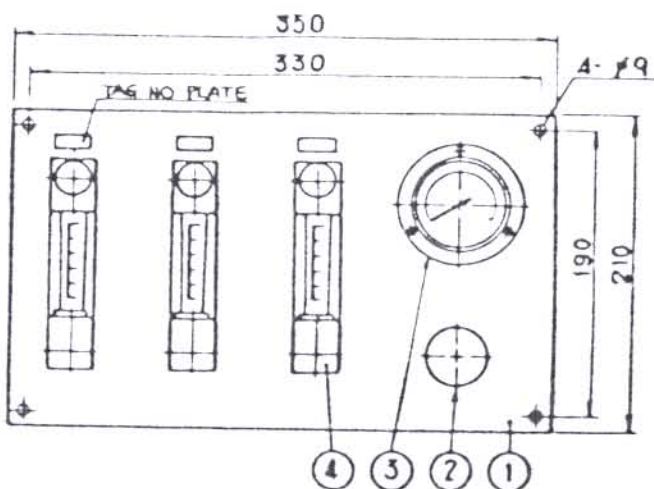
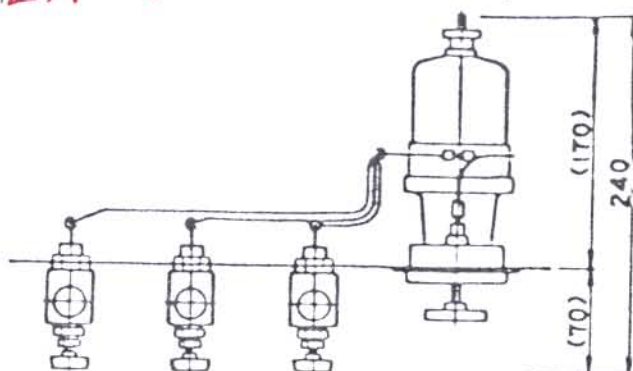
1. Offer should be worked out on the basis of **CIP Kirkuk**
2. Kindly state the following:-
  - a. Unit price.
  - b. Delivery date & offer validity **(90) days**
  - c. Include bid bond **(1%)** of offer value valid for **(90) days** within Technical-envelope otherwise be declined.
  - d. Country of origin.
  - e. Port & country of export
  - f. Performance certificate and all relevant document involved.
  - g. **NGC** may decline offers of lesser Prices.
  - i. Specify shipment route.
  - j. Offers must be signed and stamped alive & must be in sealed envelopes (**Technical & Commercial offers to be separated**) with indent number and closing date clearly mentioned on the envelops.
3. Yr offer should be mailed before: **30 / 05 / 2011 (prior to 3:00pm)**, is highly appreciated.
4. **Payment:**
  - a. **By L/C 70%** Payable against bank guarantee and shipping documents.  
**30%** payable upon arrival approval of goods to final destination
  - b. Payment in Iraqi **Dinars** after receiving materials at **NGC** & contractually to be fixed & exchanging rate of Arrival materials to **NGC**.
5. **Penalty:** Delay penalty:  $\frac{\text{contract amount} \times 10\%}{\text{Contract period}}$   
Will be applied for each day delay of shipment after the stated delivery period on contract and not to exceed more than **(10%)** of contract amount.
6. If you are not interested in offering quotations, please let us know within given period.
7. Offers will neglect one or more of a/m conditions, shall be neglected.
8. Good performance's guarantee ranging **(5%)** of P/O amount should be submitted by the supplier & it should be of **the same currency of the contract being signed**.
9. Submitted prices are final & non-negotiable.
10. Local companies are requested to submit their official registration papers; as for foreign companies, they should be submitting their incorporation registered papers.
11. Before delivering the envelopes containing offer(s), the bidder requested to pay **(ID 100000) one hundred thousand Iraqi Dinars** against receipt (copy to be attached to technical offer). Otherwise we would be obliged to decline yr quotation.
12. Supplier should arrange to attend (be present) at our company on the day of opening due offers (working day after closing date). In case of falling to attend on mentioned date, concerned committee is liable to proceed with their procedures.
13. supplier to present a full set of shipping documents authenticated from Iraqi embassy at country of origin, including epidemic-free license for export materials.
14. **Offers should be from manufacturing companies or authorized agents**
15. **Agents-suppliers ... Should submit authorization from the main manufacturer(s) (all relevant documents to be originals-genuine)**
16. Local companies and/or companies having official & registered branches within Iraq are to afford taxes, customs, fees etc.
17. Signing contracts may be through/by authorized regional agent, within Iraqi embassy in supplies' country
18. Tenders should be pursued definitely via corresponding **NGC/E-mail or communicating NGC reception**
- 19- Review final account approved by a charter account in past year for financial efficiency
- 20- Certificate of Incorporation being authenticated by Iraqi commercial attaché in the country of origin.
- 21- Letter of tax exemption to be submitted issued by General Commission of Taxes for Iraqi's companies & for the foreign ones which have branch/ representative office inside Iraq.
- 22- The contractor bears the tender wages announcement.

Best Regards

  
**HUNAR N. HASSAN**  
**DIRECTOR GENERAL**  
**CHAIRMAN OF BOARD**

**P. BOX (16) KIRKUK**  
**BAIJI-KIRKUK ROAD**  
**E-MAIL: [gas@ngc.gov.iq](mailto:gas@ngc.gov.iq)**  
**WEBSITE: [www.ngc.gov.iq](http://www.ngc.gov.iq)**

ITEM 1



Care not to give thermal shock more than 80°C to glass tube.

| NO            | 5                       | 6                          |                     |
|---------------|-------------------------|----------------------------|---------------------|
| TAG NO.       | ※ <sub>1</sub>          | ※ <sub>2</sub>             |                     |
| FLUID & STATE | N <sub>2</sub>          | →                          |                     |
| SP. WT.       | 1.251 kg/m <sup>3</sup> | →                          |                     |
| VISCOSITY     | 0.0188 cP               | →                          |                     |
| FLOW          | MAX                     | 50 Nl/min                  | 20 Nl/min           |
|               | MIN                     | 5 Nl/min                   | 2 Nl/min            |
|               | NOR                     | 17 Nl/min                  | 10 Nl/min           |
| PRESS         | PRIMARY                 | 7-10 kgf/cm <sup>2</sup> G | → (586.5-980.7 kPa) |
|               | SECONDARY               | 1.5 kgf/cm <sup>2</sup> G  | → (147.11 kPa)      |
| TEMP          | 50°C (MAX 90°C)         | →                          |                     |
| QUANT.        | 4                       | 4                          |                     |

| NO | PART DESCRIPTION   | MATERIAL      | REMARK                                                                       |
|----|--------------------|---------------|------------------------------------------------------------------------------|
| 1  | PANEL              | SPCC          | t=3.2                                                                        |
| 2  | FILTER & REGULATOR | Zn-ADC BRASS  | PRI. PRESS. (7.0-10.0 kgf/cm <sup>2</sup> G)<br>MAX 10 kgf/cm <sup>2</sup> G |
| 3  | PRESSURE GAUGE     | BRASS         | φ60 = 3 kgf/cm <sup>2</sup> G + 3 (Set press 1.5 kgf/cm <sup>2</sup> G)      |
| 4  | PURGE METER        | SUS304 NBR    | (Scale press 1.5 kgf/cm <sup>2</sup> G)                                      |
| 5  | UNION              | SUS304        |                                                                              |
| 6  | LEAD PIPE          | Cut PVC COVER | φ6 x φ4                                                                      |
| 7  |                    |               |                                                                              |
| 8  |                    |               |                                                                              |
| 9  |                    |               |                                                                              |
| 10 |                    |               |                                                                              |

Finishing (PANEL) MUNSELL 7.5BG4/1.5 (Anti-acid painting)

Accessories: -

Spare parts: -

Test press (nlr) 3 kgf/cm<sup>2</sup>G (294.2 kPa)

Accuracy: ± 5% (of F.S.)

Note: ※<sub>1</sub> (FI-1735, 1736, 1739) (FI-2735, 2736, 2739)

(FI-3735, 3736, 3739) (FI-4735, 4736, 4739)

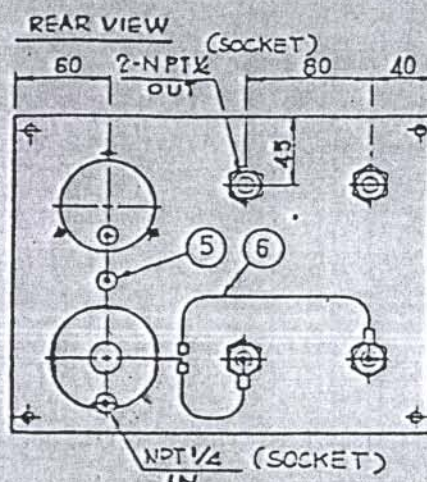
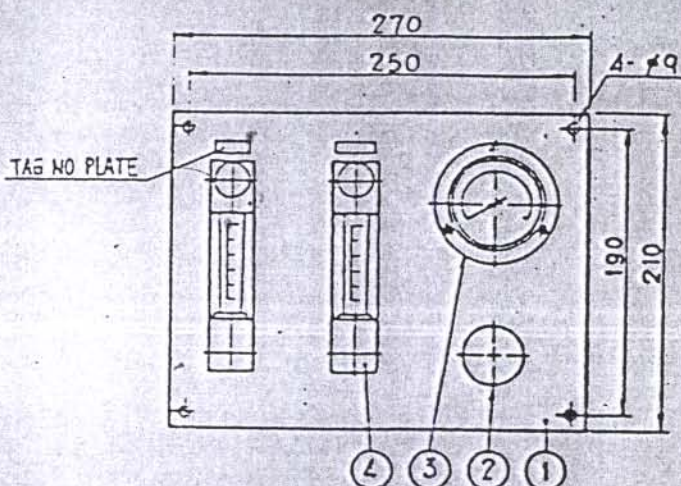
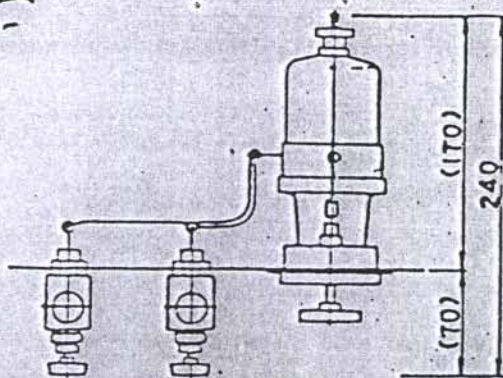
※<sub>2</sub> (FI-1740, 1741A, 1741B) (FI-2740, 2741A, 2741B)

(FI-3740, 3741A, 3741B) (FI-4740, 4741A, 4741B)

※<sub>3</sub> 244.2 (147.11) kPa

|      |             |                       |                    |
|------|-------------|-----------------------|--------------------|
| NAME | PURGE METER | CUSTOMER              |                    |
| TYPE | P-115-V     | MFG. NO.              | F80-16680-5.6      |
| DATE | Jan 21 '81  | TOKYO KEISO CO., LTD. | T. Shima<br>110/11 |

ITEM 2



Care not to give thermal shock more than 80°C to glass tube.

| NO            | 7                                   | 8  | 9                           |
|---------------|-------------------------------------|----|-----------------------------|
| TAG NO.       | ※1                                  | ※2 | FRCA-1701/2701<br>3701/4701 |
| FLUID & STATE | N <sub>2</sub>                      | →  | →                           |
| SP. WT.       | 1.251 kg/m <sup>3</sup>             | →  | →                           |
| VISCOSITY     | 0.0188 cP                           | →  | →                           |
| FLOW          | MAX 50 NL/min                       | →  | →                           |
|               | MIN 5 NL/min                        | →  | →                           |
|               | NOR 17 NL/min                       | →  | →                           |
| PRESS         | PRIMARY 7-10 kgf/cm <sup>2</sup> G  | →  | →                           |
|               | SECONDARY 1.5 kgf/cm <sup>2</sup> G | →  | →                           |
| TEMP.         | 50°C (MAX 90°C)                     | →  | →                           |
| QUANT.        | 4                                   | 4  | 4                           |

| NO | PART DESCRIPTION   | MATERIAL      | REMARK                                                                    |
|----|--------------------|---------------|---------------------------------------------------------------------------|
| 1  | PANEL              | SPCC          | T=3.2                                                                     |
| 2  | FILTER & REGULATOR | BRASS         | PRI. PRESS (980.1 kPa)<br>MAX 10 kgf/cm <sup>2</sup> G                    |
| 3  | PRESSURE GAUGE     | BRASS         | #60 = 5 kgf/cm <sup>2</sup> X 3<br>(Scale press 1.5 kgf/cm <sup>2</sup> ) |
| 4  | PURGE METER        | SUS304<br>NBR | (147.1 kPa)<br>(Scale press 1.5 kgf/cm <sup>2</sup> )                     |
| 5  | UNION              | SUS304        |                                                                           |
| 6  | LEAD PIPE          | Cut PVC COVER | φ6 x φ4                                                                   |
| 7  |                    |               |                                                                           |
| 8  |                    |               |                                                                           |
| 9  |                    |               |                                                                           |
| 10 |                    |               |                                                                           |

△ (PANEL)  
Finishing MUNSSELL 75B64/1.5 (Anti-acid painting)

Accessories:

Spare parts:

Test press (at) 3 kgf/cm<sup>2</sup>G (294.2 kPa)

Accuracy ± 5 % (of F.S.)

Note: ※1 (FI-1737A, 1738A) (FI-2737A, 2738A)

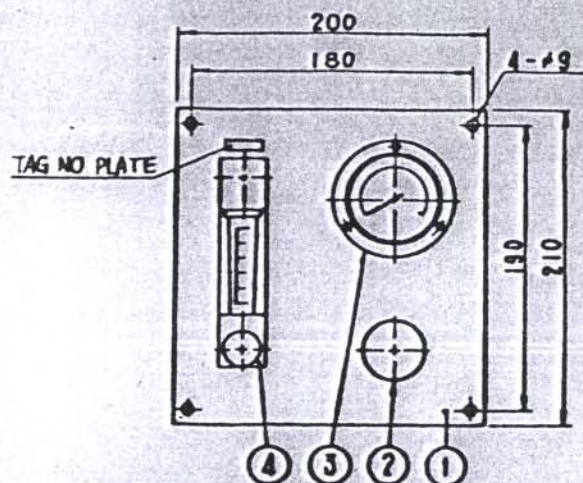
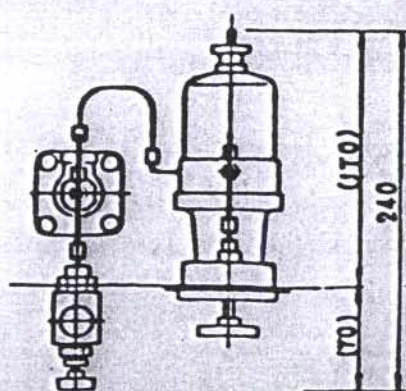
(FI-3737A, 3738A) (FI-4737A, 4738A)

※2 (FI-1737B, 1738B) (FI-2737B, 2738B)

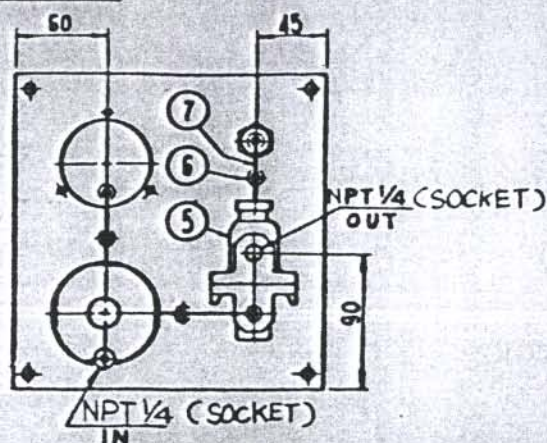
(FI-3737B, 3738B) (FI-4737B, 4738B)

|      |             |                       |                       |
|------|-------------|-----------------------|-----------------------|
| NAME | PURGE METER | CUSTOMER              |                       |
| TYPE | P-115-V     | MFG NO.               | F80-16680-7.8         |
| DATE | Jan 21 '81  | TOKYO KEISO CO., LTD. | T. Shimizu<br>H. Kato |

ITEM 3



REAR VIEW



Care not to give thermal shock more than 80°C to glass tube.

|               |                             |                                              |  |
|---------------|-----------------------------|----------------------------------------------|--|
| NO            | 3                           |                                              |  |
| TAG NO.       | FI-1727, 2727<br>3727, 4727 |                                              |  |
| FLUID & STATE | N <sub>2</sub>              |                                              |  |
| SP. WT.       | 1.251 kg/m <sup>3</sup>     |                                              |  |
| VISCOSITY     | 0.0188 cP                   |                                              |  |
| FLOW          | MAX                         | 20 Nl/min                                    |  |
|               | INITIAL                     | 2 Nl/min                                     |  |
|               | NO. 1                       | 10 Nl/min                                    |  |
| PRESS         | PRIMARY                     | 7~10 kgf/cm <sup>2</sup> G (686.5~980.7 kPa) |  |
|               | SECONDARY                   | 1.5 kgf/cm <sup>2</sup> G (147.11 kPa)       |  |
| TEMP.         | 50°C (MAX 90°C)             |                                              |  |
| QUANT.        | 4                           |                                              |  |

| NO | PART DESCRIPTION    | MATERIAL      | REMARK                                                                  |
|----|---------------------|---------------|-------------------------------------------------------------------------|
| 1  | PANEL               | SPCC          | t=3.2                                                                   |
| 2  | FILTER & REGULATOR  | Zn-ADC BRASS  | PRI. PRESS. MAX 10 kgf/cm <sup>2</sup> G *1                             |
| 3  | PRESSURE GAUGE      | BRASS         | φ60 = 3 kgf/cm <sup>2</sup> G *2 (Set press. 1.5 kgf/cm <sup>2</sup> G) |
| 4  | PURGE METER         | SUS 304       |                                                                         |
| 5  | CONSTANT FLOW VALVE | NBR           | (Scale press. 1 atm)                                                    |
| 6  | UNION               | SUS 304       |                                                                         |
| 7  | LEAD PIPE           | Cvt PVC COVER | φ6 × φ4                                                                 |
| 8  |                     |               |                                                                         |
| 9  |                     |               |                                                                         |
| 10 |                     |               |                                                                         |

Δ (PANEL)  
Finishing MUNSSEL 7.5BG4/5 (Anti-acid painting)

Accessories:

Spare parts:

Test press (at) 3 kgf/cm<sup>2</sup>G (294.2 kPa)

Accuracy: ± 5 % (of F.S.)

Note: \*1 : 980.7 kPa

\*2 : 294.2 (147.11) kPa

|      |              |                       |                      |
|------|--------------|-----------------------|----------------------|
| NAME | PURGE SET    | CUSTOMER              |                      |
| TYPE | CP-310-115-V | MFG. NO.              | F80-16680-3          |
| DATE | Jan 21 '81   | TOKYO KEISO CO., LTD. | T. Shigen<br>H. Kato |

شركة غاز الشمال (شركة عامة)

نموذج رقم ( )

طلبية شراء

MATERIALS INDENT

NEEDED FOR.....

قسم الصيانة والميكانيك

|   |    |
|---|----|
| S | Cc |
| T | AL |
| O | RA |
| R | DS |
| E | S  |
| 1 | 23 |

|                        |      |   |
|------------------------|------|---|
| INDENT<br>SERIAL<br>NO | 5    | 8 |
|                        | 2024 |   |

|                  |    |    |
|------------------|----|----|
| DATE<br>REQUIRED | MM | YY |
|                  |    | 20 |

|                |    |    |      |
|----------------|----|----|------|
| DATE<br>RAISED | DD | MM | YY   |
|                | 15 |    | 20   |
|                | 13 | 2  | 2011 |

| تسلسل<br>ITEM | الرقم الرمزي<br>VOCABULARY | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | المواصفات | الوحدة<br>UNIT | الكمية<br>QUANTITY | المبلغ<br>VALUE | REMARKS                                                  |
|---------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|--------------------|-----------------|----------------------------------------------------------|
| 23            | 24 33                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | 62 64          | 70 80              | 71 80           |                                                          |
| 001           | 379199/312.3               | SPARE FOR SRU 4700 PURGE METER :-<br>PURGE METER ASSEMBLED ON SUITABLE STEEL PLATE<br>FLUID :- N2 GAS<br>FLOW:- NOR 17 NL/MIN<br>TEMP:- 83 °C<br>PRESS:- PRIMARY=7-10 KG/ CM2G<br>SECONDARY:- 1,5 KG/CM2G<br>FLOW CONNECTION INLET:- BACK<br>OUTLET :- BACK<br>SCALE RANGE :- 5-50 NL/MIN<br>BODY RATING 10 KG/CM2G<br>CONNECTION SIZE 1/4" NPT WITH INTEGRATED NEEDLE<br>VALVE AT DOWN STREAM OF PURGE METER FOR MATERIAL<br>& DIMENSION & OTHER SPECIFICATION AS PER DRW.NO<br>F80-16680-5,6 | NOS       | 10 TEN         |                    |                 | GENERAL<br>FISHER<br>FOXBORO<br>HONEYWELL<br>MASONWEILAN |
| 002           | 379199/314.3               | SAME AS ITEM ONE BUT AS PER DRW.NO F 80 -16680-7,8                                                                                                                                                                                                                                                                                                                                                                                                                                             | NOS       | 8 EIGHT        |                    |                 |                                                          |
| 003           | 379199/316.3               | SAME AS ITEM ONE BUT AS PER DRW.NO F 80 -16680-3                                                                                                                                                                                                                                                                                                                                                                                                                                               | NOS       | 2 TWO          |                    |                 |                                                          |

(١/١) الهام ٢٠١١/٢٤

توقيع طالب المواد  
عنوان الوظيفة  
صالح حسين صادق

مجموع الفقرات  
TOTAL ITEMS

مستطرة مخزنية  
مخزنية

المدير العام  
مستطرة مخزنية