

| tem no. | description                                                                                                                                                                                                                                 | unit | qty.  |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| 1       | csg 20", k-55, 94#, btc, 20%r2, 80%r3                                                                                                                                                                                                       | mt   | 1500  |
| 2       | csg 20", k-55, 133#, btc, 20%r2, 80%r3<br><b>with mandrel 12"length * 470.98mm od (qty 2 pieces) (for drift check)</b>                                                                                                                      | mt   | 2000  |
| 3       | csg 13 3/8", p-110, 72#, casing joints need to be specially drifted to 12.25"<br>to allow drilling the 12.25" hole in the next section, btc, 20%r2,80%r3<br><b>with mandrel 12"length * 12.250 inch od (qty 3 pieces) (for drift check)</b> | mt   | 6000  |
| 4       | csg 9 5/8" ,r-95,58.4#,casing joints need to be specially drifted to 8.375"<br>to allow drilling the 8.375 hole in the next section.btc, 20%r2,80%r3<br><b>with mandrel 12"length * 8.375 inch od(qty 3pieces) (for drift check)</b>        | mt   | 10000 |

**general remarks:-**

**1- description :**

brand new seamless steel pipe according to api-5ct. /5b last version.

**2- coats**

pipe should be coated externally and internally with standard mill varnish for protection from rust while in transport and stock area.

**3- ends protection:**

pin & box of each pipe is ( steel-plastic i.e. composite protected with storage thread dope type , model of casing protectors sketch & drawing in details are required .

**4- marking:**

according to ( api std-5a )-copy attached + piece no. of each pipe ( serialization ).

**5- packing:**

loose for 20", 13 3/8",9 5/8"

**6- inspection:-**

6.1 third party inspection – internationally accepted inspector nominated by manufacturer & accepted by missan oil company (moc).

tpi certifying that materials and manufacturing as per required specifications

6.2 inspection contract between the mills and inspector must be forwarded in details to (m.o.c) before manufacturing process .

6.3 third party inspection reports, release notes and certificates must be forwarded together with mill test certificates (prepare by manufacturer) showing in document form, chemical compositions test,inspection devices, modes of inspection (to m.o.c) before arrival casing pipe at iraq port .

6.4 the scope of inspection:-

ultrasonic inspection on full length of pipe body ( records and certificates required ) as follows:-

- a. longitudinal-external-internal defects .
- b. transverse defects.
- c. eccentricity.
- d. wall thickness.
- e. mpi on end area.

6.5 thread inspections:-

- a. ndt( witness 5% of the lot for each size)
- b. stand off check .
- c. taper measuring .
- d. three dial check .

6.6 visual inspection 100% of surface .

6.7 witnesses of sampling of test specimen .

6.8 checking of marking and mill coat.

6.9 supervision of fabrication .

6.10 witness of heat treatment (one per heat – per lot).

6.11 hydro. test- pipe.( witness 2% of the lot for each size)

6.12 checking of chemical requirements ( ladle& check analysis ) according to mill sheet .

6.13 cost : costs of witness and third party inspection should be (free of charge).

6.14 the following data (according to api-5ct last edition) to be delivered with goods:-

- a. chemical analysis results .
- b. heat analysis results.
- c. product analysis results.
- d. control analysis results.
- e. test required according to api 5ct & last revision rules.

e- 1- mechanical tests

- a. tensile test.
- b. yield test.
- c. **hardness test rock well .**
- d. collapse resistance test .

collapse test is must any offer does not include conformation or commitment of this test will be ignored even though mill apparatus , the result must be indorsed by tpi.

e-2- hydrostatic test .

e- 3- drift test .

e-4- dimension and weight test .

7- manufacturer will confirm & submit with it's offer the technical catalogue ( 2 copies ) – in details – showing :-

- a. products range.
- b. performance properties of o.c.t.g.
- c. mill manufacturing process.
- d. inspection system of mill – online- for all pipes.

8- manufacturer should be supply with it's offer:-

- a. api-qr( copy of valid certificate).
- b. quality assurance approval ( iso 9000,9001...ect) ( copy of valid certificate).

references showing manufacturer annual product sell to well known companies, countries, fax & phone no. of the companies (user) are required

9- manufacturer must submit with it's offer letter/ certificate from well known oil companies certifying the performance of the manufacturer.

**10-country of origin / usa, western europe, brisel, japan, argentina, mexic are acceptable**

**only**, the qualified companies by moc are onley authorized to participate with this tender (the offers accept only from manufactured company).

**11-** all certificates of origin must be legalized by chamber of commerce, ministry of trade at country of origin & the embassy of iraq at country of origin otherwise not accepted.

**12-** the offer should include :-

- a. number of offer.
- b. date of offer.
- c. validity of offer (no less than 120 days) .
- d. origin of material.
- e. manufacture plant name.

port & root shipment.

- f. name ,address,fax,e-mail, phone & bank of beneficiary & account number
- g. delivery period for shipment including manufacturing & shipment to final destination point.
- h. entry point to iraq.

**notes :**

requirement to complete the offer :

1. the offer should be complete & include final rock bottom price (cip – missan).
2. no later negotiation about the technical offer & the price.
3. any clarifications should be before submitting the offer.
4. visiting manufacturer workshop & witness inspection process for four engineers , ten days during manufacturing process in origin country
5. condition of acceptance:-
  - a. any offer does not oblige to the above consider not identical without notification of manufacturer.
  - b. any bidder must confirm its commitment to the remarks mentioned above

**the standard evaluation requested:**

|                  |                                                                              |      |
|------------------|------------------------------------------------------------------------------|------|
| 1.               | technical specifications                                                     | 65%  |
| 2.               | after-sales services                                                         | 2%   |
| 3.               | the similar services that executed and approved by the specialized companies | 1%   |
| 4.               | the services that achieved in this scope                                     | 2%   |
| 5.               | the implementation period of the contract                                    | 10%  |
| 6.               | profits and revenues for the last three years                                | 3%   |
| 7.               | type and style of commercial sale and providing                              | 1%   |
| 8.               | the destination of materials                                                 | 1%   |
| 9.               | origin of country                                                            | 15%  |
| total percentage |                                                                              | 100% |

**fill the following table with your proposal**

| moc requirement |                                                                                                                                                               | bidder response |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1-              | <b><u>description :</u></b><br>brand new seamless steel pipe according to api-5ct. /5b last version.                                                          |                 |
| 2-              | <b><u>coats</u></b><br>pipe should be coated externally and internally with standard mill varnish for protection from rust while in transport and stock area. |                 |
| 3-              | <b><u>ends protection:</u></b><br>pin & box of each pipe is ( steel-plastic i.e. composite protected with storage thread                                      |                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
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| dope type , model of casing protectors sketch & drawing in details are required .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 4- <b>marking:</b><br>according to ( api std-5a )-copy attached + piece no. of each pipe ( serialization ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 5- <b>packing:</b><br>loose for 20", 13 3/8", 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 6- <b>inspection:-</b><br>6.1 third party inspection – internationally accepted inspector nominated by manufacturer & accepted by missan oil company (moc).<br>tpi certifying that materials and manufacturing as per required specifications<br>6.2 inspection contract between the mills and inspector must be forwarded in details to (m.o.c) before manufacturing process .<br>6.3 third party inspection reports, release notes and certificates must be forwarded together with mill test certificates (prepare by manufacturer) showing in document form, chemical compositions test, inspection devices, modes of inspection (to m.o.c) before arrival casing pipe at iraq port .<br>6.4 the scope of inspection:-<br>ultrasonic inspection on full length of pipe body ( records and certificates required ) as follows:-<br>a. longitudinal-external-internal defects .<br>b. transverse defects.<br>c. eccentricity.<br>d. wall thickness.<br>e. mpi on end area.<br>6.5 thread inspections:-<br>a. ndt( witness 5% of the lot for each size)<br>b. stand off check .<br>c. taper measuring .<br>d. three dial check .<br>6.6 visual inspection 100% of surface .<br>6.7 witnesses of sampling of test specimen .<br>6.8 checking of marking and mill coat.<br>6.9 supervision of fabrication .<br>6.10 witness of heat treatment (one per heat – per lot).<br>6.11 hydro. test- pipe.( witness 2% of the lot for each size)<br>6.12 checking of chemical requirements ( ladle& check analysis ) according to mill sheet .<br>6.13 <u>cost</u> : costs of witness and third party inspection should be (free of charge).<br>6.14 the following data (according to api-5ct last edition) to be delivered with goods:-<br>a. chemical analysis results .<br>b. heat analysis results.<br>c. product analysis results.<br>d. control analysis results.<br>e. test required according to api 5ct & last revision rules.<br>e- 1- mechanical tests<br>a- tensile test.<br>b- yield test.<br>c- hardness test rock well .<br>d- collapse resistance test .<br>collapse test is must any offer does not include conformation or commitment of this test will be ignored even though mill apparatus , the result must be indorsed by tpi.<br>e-2- hydrostatic test .<br>e- 3- drift test .<br>e-4- dimension and weight test . |  |
| 7- manufacturer will confirm & submit with it's offer the technical catalogue ( 2 copies ) – in details – showing :-<br>a. products range.<br>b. performance properties of o.c.t.g.<br>c. mill manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| d. inspection system of mill – online- for all pipes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>8-</b> manufacturer should be supply with it's offer:-<br>a. api-qr( copy of valid certificate).<br>b. quality assurance approval ( iso 9000,9001...ect) ( copy of valid certificate).<br>c. <b>references showing manufacturer annual product sell to well known companies, countries, fax &amp; phone no. of the companies (user) are required</b>                                                                                                                                                                                                                                                                                                |  |
| <b>9-</b> manufacturer must submit with it's offer letter/ certificate from well known oil companies certifying the performance of the manufacturer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| <b>10- country of origin / usa, western europe, brisel, japan, argentina, mexic are acceptable only, the qualified companies by moc are onley authorized to participate with this tender</b> (the offers accept only from manufactured company).                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <b>11-</b> all certificates of origin must be legalized by chamber of commerce, ministry of trade at country of origin & the embassy of iraq at country of origin otherwise not accepted.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <b>12-</b> the offer should be include :-<br>a. number of offer .<br>b. date of offer .<br>c. validity of offer ( no less than 120 days) .<br>d. origin of material.<br>e. manufacture plant name .<br>f. port & root shipment.<br>g. name ,address,fax,e-mail, phone &bank of beneficiary & account number<br>h. delivery period for shipment including manufacturing & shipment to final destination point .<br>i. entary point to iraq .                                                                                                                                                                                                            |  |
| <b>13- notes :</b><br>requirement to complete the offer :<br>1. the offer should be complete & include final rock bottom price (cip – missan ) .<br>2. no later negotiation about the technical offer& the price.<br>3. any clarifications should be before submitting the offer.<br>4. visiting manufacturer workshop & witness inspection process for four engineers , ten days during manufacturing process in origin country<br>5. condition of acceptance:-<br>a. any ofeer does not oblige to the above consider not identical without notification of manufacturer.<br>b. any bidder must confirm its commitment to the remarks mentioned above |  |

|   | the standard evaluation requested:                                           |      |
|---|------------------------------------------------------------------------------|------|
| 1 | technical specifications                                                     | 65 % |
| 2 | after-sales services                                                         | 2 %  |
| 3 | the similar services that executed and approved by the specialized companies | 1 %  |
| 4 | the services that achieved in this scope                                     | 2 %  |
| 5 | the implementation period of the contract                                    | 10 % |
| 6 | profits and revenues for the last three years                                | 3 %  |
| 7 | type and style of commercial sale and providing                              | 1 %  |
| 8 | the destination of materials                                                 | 1 %  |
| 9 | origin of country                                                            | 15 % |
|   | total percentage                                                             | 100% |