**SURVEY QUESTIONAIRE AND SCREENING CRITERIA**

**FOR PURCHASING OF AC – ACTIVATED CARBON (CAS NUMBER: C 74404-44-0) for Unit 084, 023, 154, 160 and 200**

Nghi Son Refinery & Petrochemical Limited Liability Company (NSRP) is planning for procurement of Activated Carbon to select suitable supplier for supply the good.

If your company is interested in those procurement packages, please fill in and the complete questionnaire below then send email to hiep.lt@nsrp.com.vn “Response for Questionnaire “Supply of Activated Carbon” by [4 days from published date] at the latest. For the avoidance of doubt, this notice does not constitute any contractual offer, binding promise or guarantee of business by NSRP.

Please answer the questions below:

**Part 1. Survey questionnaire**

**QUESTION 1:** Does your Company/Manufacturer have experience of providing these chemicals as Table 1?

1. Yes

2. No

If yes, please provide evidence list of your customers.

**QUESTION 2:** Does your Company/Manufacturer have the necessary business licenses and authorized letters from Manufacturer (in case Bidder is not Manufacturer) to provide these chemicals as Table 1?

1. Yes

2. No

If yes, please provide evidence.

**QUESTION 3:** Does your Company/Manufacturer have technical support for after sales support?

1. Yes
2. No

If yes, please provide some information about your technical support.

**QUESTION 4:** Please provide information about your product:

1. *Product information*
2. *Technical Data Sheet (TDS)*
3. *Safety Data Sheet (MSDS)*
4. *Provide one sample of COA (Certificate of Analysis)*

**QUESTION 5:** What is the lead time of your company for supplying AC (the time from receiving a purchase order to delivering the stabilizer to the NSRP plant at Nghi Son Economic Zone, Mai Lam Ward, Nghi Son District, Thanh Hoa Province, Vietnam)?

1. Less than 60 days
2. From 60 months to 90 days
3. More than 90 days

**TABLE 1: ACTIVATED CARBON PACKAGE**

|  |  |  |
| --- | --- | --- |
| **No** | **Product** | **Specification** |
| 1 | Activated Carbon for Unit 154, 160, 200  | Annex No 1 |
| 2 | Activated Carbon for Unit 084 - ARU | Annex No 2 |

Annex No 1

1. **GOODS SPECIFICATIONS OF ACTIVATED CARBON (CAS 74404-44-0) FOR UNIT 154, 160, 200**
2. **Chemical Information:**

Chemical name: Activated Carbon

CAS-Number: 74404-44-0

1. **The GOODS specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Item** | **Unit** | **Specification** |
| 1 | Butane adsorption at p/p0 = 0.1 | g/ 100g | min. 18 max. 23 |
| 2 | Apparent density | kg/m3 | min. 410 max. 460 |
| 3 | Moisture | % mass | max. 5 |
| 4 | Carbon tetrachloride activity | g/ 100g | 60 |
| 5 | Total surface area | m2/g | 1100 |
| 6 | Apparent density | kg/m3 | 440 |
| 7 | Ball-pan hardness | - | 99 |
| 8 | Particle size > 3.35 mm | % mass | 99 |
| 9 | Ash content | % mass | 6 |
| 10 | Moisture | % mass | 1 |
| 11 | Ignition temperature | ℃ | > 450 |

Annex No 2

**GOODS SPECIFICATIONS OF ACTIVATED CARBON (CAS 74404-44-0) FOR UNIT 084 – ARU**

1. **Chemical Information:**

Chemical name: Activated Carbon

CAS-Number: 74404-44-0

1. **The GOODS specifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Item** | **Unit** | **Specification** |
| 1 | Appearance color | - | Granular black |
| 2 | Partial size > 8 mesh (2.36 mm) | % | Max 5 |
| 3 | Partial size < 30 mesh (0.60mm) | % | Max 5 |
| 4 | Moisture (as packed) | % | Max 12 |
| 5 | Surface area | m2/g | Min 650 |
| 6 | Total pore volume:  | ml/g | Min 0.95 |
| 7 | Minimum Ignition Temperature | deg C | 480 - 500 |