Suppose that we want to select a new suuplier. This project will start from 31-May-2023 and the calendar for project will be on the basis of Satandard calendar with some exceptions as follow:

1. Saturdays are part time working days from 8:30 to 13:00
2. There is a holiday from 4-July-2023 to 10-July-2023 and repeat every year

The activities in this project including duraions, predicessors and resources are given in the following table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| WBS | Task Name | Duration | Predecessors | Resource Names |
| **1** | **Evaluate and consolidate vendors** |  |  |  |
| **1.1** | **perform vendor requirements Analysis** |  |  |  |
| **1.1.1** | **identify set of vendors to consolidate** |  |  |  |
| 1.1.1.1 | Analyze purchaseing and sourcing statistics | 10 days |  | Analyzer 01 |
| 1.1.1.2 | Analyze vendor discount terms and service areas | 5 days | 4SS | Accountant 01;Analyzer 01 |
| 1.1.1.3 | Prioritize sourcing areas to be included | 7 days | 5 | Analyzer 01;Analyzer 02 |
| 1.1.1.4 | Compile list of Vendors to be reviewed | 6 days | 6SS | Analyzer 01;CEO;Engineer 01;Head of Eng |
| 1.1.1.5 | Identification of Vendor Set Completed | 0 days | 6;7 |  |
| **1.1.2** | **Develop Comparision Criteria and Process** |  |  |  |
| 1.1.2.1 | Develop Vendor selection technical specifications | 4 days | 8 | Engineer 01;Engineer 02 |
| 1.1.2.2 | Develop vendor selection supply chain logistical performance criteria | 5 days | 10SS | Engineer 01;Engineer 02 |
| 1.1.2.3 | Develop vendor selection financial stability criteria | 2 days | 10SS | Accountant 01;Engineer 01 |
| 1.1.2.4 | develop vendor selection quality performance criteria | 3 days | 10SS | Engineer 02;Head of Eng |
| 1.1.2.5 | develop vendor sales and customer service criteria | 7 days | 10SS | Analyzer 01;Engineer 01 |
| 1.1.2.6 | develop vendor global presence criteria | 10 days | 10SS | Engineer 02 |
| 1.1.2.7 | identify risk assessment criteria | 20 days | 10SS | Analyzer 01;Engineer 01;Head of Eng |
| 1.1.2.8 | develop weighting ans scoring approach for comparing vendors | 8 days | 10;11;12;13;14;15 | Analyzer 02;Engineer 01;Head of Eng |
| 1.1.2.9 | comparison criteria and process complete | 0 days | 17 |  |
| **1.2** | **select vendor** |  |  |  |
| 1.2.1 | identify vendor selection team and hold a kickoff meeting | 1 day | 8FS+3 days | CEO;Head of Eng |
| **1.2.2** | **create request for proposal and distribute** |  |  |  |
| 1.2.2.1 | gather information | 30 days | 17;20 | Engineer 01;Engineer 02 |
| 1.2.2.2 | identify and contact client sample group | 1 wk | 22 | Analyzer 01;Engineer 01;Engineer 02 |
| WBS | Task Name | Duration | Predecessors | Resource Names |
| 1.2.2.3 | identify target companies | 21 days | 23 | Engineer 01;Engineer 02 |
| 1.2.2.4 | redefine requirements for RFP | 2 wks | 24 | Engineer 01;Engineer 02 |
| 1.2.2.5 | create RFP | 20 days | 25 | Accountant 01;Engineer 01;Engineer 02 |
| 1.2.2.6 | Distribute RFP | 1 day | 26 | Head of Eng |
| 1.2.2.7 | RFP creation and distribution complete | 0 days | 27 |  |
| **1.2.3** | **Close RFP process, collect RFP responses, and analyze them** |  |  |  |
| 1.2.3.1 | Conduct vendor response Q&A sessions | 2 days | 28FS+2 days | Engineer 01;Engineer 02;Head of Eng |
| 1.2.3.2 | All vendor responses received | 0 days | 30 | Engineer 01;Engineer 02 |
| 1.2.3.3 | evaluate final vendor responses | 2 wks | 31FS+5 days | Analyzer 02;Engineer 01;Engineer 02 |
| **1.2.4** | **review vendor responses looking for consolidation opportunities** |  |  |  |
| 1.2.4.1 | develop vendor consolidation senarios | 2 wks | 32 | Head of Eng |
| 1.2.4.2 | evaluate proposals and identify areas for negotiation | 8 days | 34 | Analyzer 02;Engineer 01;Engineer 02 |
| 1.2.4.3 | examine existing vendor contracts for termination clause impact | 8 days | 35 | Engineer 01 |
| 1.2.4.4 | prepare consolidation and contingency scenarios | 15 days | 36 | Engineer 02 |
| **1.2.5** | **select ongoing vendors** |  |  |  |
| 1.2.5.1 | finalize selection and negotiated terms and conditions | 10 days | 37SS+10 days | Head of Eng |
| 1.2.5.2 | finalize contracts | 10 days | 39 | CEO;Head of Eng |
| 1.2.5.3 | notify vendors who are not chosen of decision | 2 days | 40 | Engineer 02;Head of Eng |
| 1.2.5.4 | update information systems | 25 days | 41 | Analyzer 01;Analyzer 02;Engineer 02 |
| 1.2.5.5 | communicate vendor selection internally | 1 day | 42 | Analyzer 01;CEO;Engineer 01;Head of Eng |
| 1.2.6 | selection complete | 0 days | 43 |  |
| 1.3 | vendor consolidation complete | 0 days | 44 |  |

The resource name, cost, maximum allowance and avaiability of each resource are as follow. Please be aware that in the first day of each years all of salaries will increase by 15% each year. Analyzer 02 will be avaiable after 15-Jun-2023 and work on the basis of Standard Calendar.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resource Name | Max. Units | Std. Rate | Ovt. Rate | Cost/Use |
| Analyzer 01 | 120% | 120,00 TL/hr | 180,00 TL/hr | 0,00 TL |
| Analyzer 02 | 150% | 150,00 TL/hr | 210,00 TL/hr | 0,00 TL |
| Accountant 01 | 150% | 100,00 TL/hr | 150,00 TL/hr | 0,00 TL |
| Engineer 01 | 110% | 210,00 TL/hr | 280,00 TL/hr | 0,00 TL |
| Engineer 02 | 130% | 150,00 TL/hr | 230,00 TL/hr | 0,00 TL |
| Head of Eng | 105% | 350,00 TL/hr | 500,00 TL/hr | 0,00 TL |
| CEO | 130% | 800,00 TL/hr | 1.000,00 TL/hr | 0,00 TL |