

2020-11-20
 11/20/20
 [Signature]

TECHNICAL EVALUATION SHEET AGAINST TENDER NO. TR-SUP/HA/2020-2021
 JAS SPRT INDUSTRIES PVT LTD
 BRAND : HARS MACHINERY
 MODEL : HARS MACHINERY

4.4 **TENDER DESCRIPTION**

Supply, installation, commissioning and maintenance of 1000HP Diesel Engine for generating electricity for the power plant. The engine shall be of 1000HP capacity and shall be of 4 stroke, 4 cylinder, 1000HP capacity and shall be of 1000HP capacity and shall be of 1000HP capacity.

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ES LINES REQUIREMENT

ALTERNATING CURRENT SUPPLY AND DISTRIBUTION SYSTEM

TECHNICAL SPECIFICATIONS

GENERAL REQUIREMENTS:
 The engine shall be of 1000HP capacity and shall be of 4 stroke, 4 cylinder, 1000HP capacity and shall be of 1000HP capacity. The engine shall be of 1000HP capacity and shall be of 4 stroke, 4 cylinder, 1000HP capacity and shall be of 1000HP capacity.

| Sl. No. | Particulars | Unit | Quantity |
|---------|--------------------------------|------|----------|
| 1 | Supply of 1000HP Diesel Engine | HP | 1000 |
| 2 | Supply of 1000HP Diesel Engine | HP | 1000 |

GENERAL SPECIFICATIONS:
 The engine shall be of 1000HP capacity and shall be of 4 stroke, 4 cylinder, 1000HP capacity and shall be of 1000HP capacity. The engine shall be of 1000HP capacity and shall be of 4 stroke, 4 cylinder, 1000HP capacity and shall be of 1000HP capacity.

DISCREPANCY

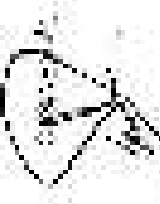
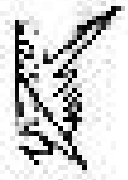
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5.4 TECHNICAL DESCRIPTION

RAILWAY REQUIREMENT

| | | | |
|---|-------------|----------|--------|
| 3 | Speed | 200 km/h | 210 |
| 4 | Motor Power | 1000 | 2.5 MW |

1) AUTOMATIC UNIT PURCHASING & FORMING MACHINE

MINIMUM REQUIRED SPECIFICATIONS

The machine requires a motor capable of delivering all the required speed and torque at all speeds. The motor will be subject to sudden load changes and a minimum torque reserve is required to ensure

- Minimal variation from setpoint when loading conditions are not favorable for a change in motor speed and torque
- The Anderson's design machine will offer good line speed by the selection of appropriate motor and gear train.
- Selection of motor (TFC) versus the motor of equal efficiency and total motor system for optimal efficiency.
- Located at the end of the line, the motor will be the primary motor for the entire line, the motor will be the primary motor for the entire line.

every third motor will be used in a 1:2:1 ratio. The motor will be subject to sudden load changes and a minimum torque reserve is required to ensure

| SS | Specification | Unit | Value |
|----|-------------------------------|---------|---------|
| 1 | Motor Power | kW | 17500 |
| 2 | Efficiency | Percent | 91.5 |
| 3 | Run Speed Length | mm | 20000 |
| 4 | Motor Output Running Pressure | MPa | 0.2-0.3 |
| 5 | Motor Capacity | TON | 25-120 |
| 6 | Power (1 Phase) | Watt | 40000 |

Dr. G. S. Srinivasan

BUDGET OFFER

| | | | |
|---|-------------|----------|--------|
| 3 | Speed | 200 km/h | 210 |
| 4 | Motor Power | 1000 | 2.5 MW |

2) AUTOMATIC UNIT PURCHASING & FORMING MACHINE

every third motor will be used in a 1:2:1 ratio. The motor will be subject to sudden load changes and a minimum torque reserve is required to ensure

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Dr. G. S. Srinivasan

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Signature

| S/N | TRAINER DESCRIPTION | QUALIFY REQUIREMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---------------------|--------------------------------------|------|-------|---|---------------------------------|------|-------|---|---------------|---------|----|---|--------------|------|-------|---|--------------------------|---------|-----|---|------------------------|------|------|---|-----------------|---------|------------------|---|-------------|------|-------------|---|-------------|------|---------------------------|-----|---------------|------|-------|---|-------------|-------|-------|---|-------|------|-------|---|----------------------------------|------|-------|-----|-----------|------|-------|---|-------------|------|---------|---|-----|---------------|------|-------|---|---------------------------------|------|-------|---|---------------|---------|----|---|--------------|------|-------|---|--------------------------|------|------|---|------------------------|------|---------|---|-----------------|---------|------------------|---|-------------|------|-------------|---|-------------|------|--------------------------------------|-----|---------------|------|-------|---|---------------------------------|------|-------|---|-------|------|-------|-----|-----------|------|-------|---|-------------|------|---------|
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| 1 | Input Power (3 phase 415v 50Hz) | Watt | 40000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Input Current | Amperes | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Output Power | Watt | 30000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Output Voltage Frequency | Volt Hz | 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Loading factor (Power) | Watt | 0.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Input Harmonics | Amperes | Not more than 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Watt Factor | Watt | 0.85 (0.75) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Transformer | Watt | 50000/50000 or equivalent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N | Specification | Unit | Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Input Power | Power | 50000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Power | Watt | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Output Power (3 phase 415v 50Hz) | Watt | 40000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N | Parameter | Unit | Range | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Temperature | Watt | 0.5-1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N | Specification | Unit | Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Input Power (3 phase 415v 50Hz) | Watt | 30000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Input Current | Amperes | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Output Power | Watt | 20000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Output Voltage Frequency | Watt | 0.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Loading factor (Power) | Watt | 1.2-1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Input Harmonics | Amperes | Not more than 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Watt Factor | Watt | 0.85 (0.75) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Transformer | Watt | equivalent or standard or equivalent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N | Specification | Unit | Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Input Power (3 phase 415v 50Hz) | Watt | 30000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Power | Watt | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N | Parameter | Unit | Range | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Temperature | Watt | 0.5-1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[Handwritten Signature]
 Date: _____

[Handwritten Signature]
 Date: _____

[Handwritten Signature]
 Date: _____

TRAINER DESCRIPTION

QUALITY PROGRAMS

| | | | |
|---|--------------------|-----|------|
| 1 | Trainer Salary | 1% | 50% |
| 2 | Quality of service | 7% | 100% |
| 3 | Quality of service | 50% | 50% |

ALLIED BUSINESS

- Cash business (not a business) will be a 10% rule - not below 88% age and require 20% rule
- A company must be operated
- 40% of business should be covered

QUALITY OF SERVICE CALL CENTER WITH TRAINING PROGRAM

QUALITY OF SERVICE CALL CENTER WITH TRAINING PROGRAM

At least 20% of the program is required to be covered

| | | | |
|----|--------------------|-----|------|
| | Specifics | 10% | 100% |
| 1 | Quality of service | 10% | 100% |
| 2 | Quality of service | 7% | 100% |
| 3 | Quality of service | 50% | 50% |
| 4 | Quality of service | 50% | 50% |
| 5 | Quality of service | 50% | 50% |
| 6 | Quality of service | 50% | 50% |
| 7 | Quality of service | 50% | 50% |
| 8 | Quality of service | 50% | 50% |
| 9 | Quality of service | 50% | 50% |
| 10 | Quality of service | 50% | 50% |

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| | | | |
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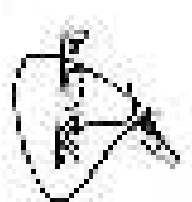
| | | | |
|----|--------------------|-----|------|
| | Specifics | 10% | 100% |
| 1 | Quality of service | 10% | 100% |
| 2 | Quality of service | 7% | 100% |
| 3 | Quality of service | 50% | 50% |
| 4 | Quality of service | 50% | 50% |
| 5 | Quality of service | 50% | 50% |
| 6 | Quality of service | 50% | 50% |
| 7 | Quality of service | 50% | 50% |
| 8 | Quality of service | 50% | 50% |
| 9 | Quality of service | 50% | 50% |
| 10 | Quality of service | 50% | 50% |

REMARKS

3/1/2016

1/1/2016

1/1/2016



| S/L | TENDER DESCRIPTION | RAILWAY REQUIREMENT | BIDDOR OFFER |
|-----|--|---|--|
| | | <p>2. Water Tank Specifications: Water tank specifications. The tender list a range of options. Steel Tank of 3-</p> | |
| | <p>Control System Protection Devices</p> | <p>Control System Protection Devices</p> | |
| | <p>Abnormal Temperature</p> | <p>Low Temperature LO-OT Compressor Protection to prevent Supply</p> | <p>Low Temperature LO-OT Compressor Protection to prevent Supply</p> |
| | <p>Pressure Pressure of Power</p> | <p>High and Low Voltage Fault</p> | <p>High and Low Voltage Fault</p> |
| | <p>Compressor Overhaul</p> | <p>Thermal Relay Protection</p> | <p>Thermal Relay Protection</p> |
| | <p>Overheating of Compressor</p> | <p>Internal Pressure Protection Compressor</p> | <p>Internal Pressure Protection Compressor</p> |
| | <p>Pump Overhaul</p> | <p>Thermal Relay Protection Pump</p> | <p>Thermal Relay Protection Pump</p> |
| | <p>Low Water Level Warning</p> | <p>Water Level Switch</p> | <p>Water Level Switch</p> |
| | <p>Short Circuit</p> | <p>Air Switch</p> | <p>Air Switch</p> |

M. J. ...

...

...

REMARK DESCRIPTION

PAVING SPECIMENS

ROAD JUNCTION

REMARKS

Specimens were prepared from the 200 mm diameter test specimens. The specimens were prepared from the material of the concrete. The specimens were prepared from the material of the concrete. The specimens were prepared from the material of the concrete.

The specimens were prepared from the material of the concrete. The specimens were prepared from the material of the concrete. The specimens were prepared from the material of the concrete.

TEST DATA

Concrete Compression Test Results are given in the following table.

AUTOMATICALLY GENERATED TEST RESULTS

TOTAL QUANTITIES

MINIMUM REQUIRED SPECIFICATIONS

The test results are given in the following table. The test results are given in the following table. The test results are given in the following table.

| Sl. No. | Description | Unit | Value |
|---------|---------------------------|-------------------|-------|
| 1 | Concrete Compression | MPa | 45.50 |
| 2 | Concrete Tensile Strength | MPa | 5.50 |
| 3 | Concrete Slump | mm | 150 |
| 4 | Concrete Air Content | % | 5.00 |
| 5 | Concrete Density | kg/m ³ | 2400 |

The test results are given in the following table.

AUTOMATICALLY GENERATED TEST RESULTS

TOTAL QUANTITIES

The test results are given in the following table. The test results are given in the following table. The test results are given in the following table.

| Sl. No. | Description | Unit | Value |
|---------|---------------------------|-------------------|-------|
| 1 | Concrete Compression | MPa | 45.50 |
| 2 | Concrete Tensile Strength | MPa | 5.50 |
| 3 | Concrete Slump | mm | 150 |
| 4 | Concrete Air Content | % | 5.00 |
| 5 | Concrete Density | kg/m ³ | 2400 |

The test results are given in the following table.

| Sl. No. | Description | Unit | Value |
|---------|---------------------------|-------------------|-------|
| 1 | Concrete Compression | MPa | 45.50 |
| 2 | Concrete Tensile Strength | MPa | 5.50 |
| 3 | Concrete Slump | mm | 150 |
| 4 | Concrete Air Content | % | 5.00 |
| 5 | Concrete Density | kg/m ³ | 2400 |

The test results are given in the following table.



2.1. POWER/PROPULSION

Supply: ...
 Fuel: ...
 Propulsion: ...
 Power: ...

RELAY/REAL EIGHT

| | | | |
|---|-----|-----|-----|
| 1 | ... | ... | ... |
| 2 | ... | ... | ... |
| 3 | ... | ... | ... |
| 4 | ... | ... | ... |
| 5 | ... | ... | ... |

AUTOMATIC MULTIPURPOSE MACHINE
 SPECIFICATIONS

TECHNICAL SPECIFICATIONS

The machine is designed to ...
 It is capable of ...
 The machine is ...

BOSS OFFER

| | | |
|---|-----|-----|
| 1 | ... | ... |
| 2 | ... | ... |
| 3 | ... | ... |

AUTOMATIC MULTIPURPOSE MACHINE
 SPECIFICATIONS

TECHNICAL SPECIFICATIONS

The machine is designed to ...
 It is capable of ...
 The machine is ...

5. SYSTEMS ANALYSIS

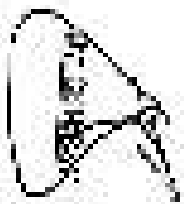
6. SYSTEMS ANALYSIS

...
 ...
 ...

...
 ...
 ...

...

...



TECHNICAL DESCRIPTION

RAILWAY REQUIREMENT

| Technical parameter | Unit | Value |
|------------------------------|------|----------------|
| Capacity | ton | 200 |
| Normal box size | mm | 8 |
| Slider angle | mm | 200 |
| Number of lips | mm | 45 |
| | mm | -1 |
| Height round height | mm | 30-35 |
| Adjusted round height | mm | 40 |
| Distance between Side center | mm | 110 |
| Distance between Side center | mm | 40 |
| Column distance | mm | 310 |
| Side center dimension | mm | 800-850 |
| Round hole diameter | mm | 20-100 |
| Working hole diameter | mm | 1200-1300 |
| Drop hole Dia | mm | 240 |
| Working side thickness | mm | 180 |
| Distance between working | mm | 100 |
| Overall dimension | mm | 2000-2400-2800 |
| Anchor bolt distance | mm | 2000-2300 |
| Motor power | kw | 18.5 kw |
| Thrust | kgm | 0.5 |

B. INDUCTION FURNACE

| Specification | Unit | Value |
|---------------|------|-------|
| load weight | WHC | 40000 |
| load power | kw | 20 kw |

ORDER ORDER

| Technical parameter | Unit | Value |
|------------------------------|------|----------------|
| Capacity | ton | 200 |
| Normal box size | mm | 8 |
| Slider angle | mm | 200 |
| Number of lips | mm | 45 |
| | mm | -1 |
| Height round height | mm | 30-35 |
| Adjusted round height | mm | 40 |
| Distance between Side center | mm | 110 |
| Distance between Side center | mm | 40 |
| Column distance | mm | 310 |
| Side center dimension | mm | 800-850 |
| Round hole diameter | mm | 20-100 |
| Working hole diameter | mm | 1200-1300 |
| Drop hole Dia | mm | 240 |
| Working side thickness | mm | 180 |
| Distance between working | mm | 100 |
| Overall dimension | mm | 2000-2400-2800 |
| Anchor bolt distance | mm | 2000-2300 |
| Motor power | kw | 18.5 kw |
| Thrust | kgm | 0.5 |

B. INDUCTION FURNACE

| Specification | Unit | Value |
|---------------|------|-------|
| load weight | WHC | 40000 |
| load power | kw | 20 kw |

Dr. Roshik
DESIGNER

Dr. Roshik
10/11/18

Dr. Roshik

PULLMAN ICE CREAM

| | | |
|--------------------|----|------|
| Input power | A | 30 |
| Line square inches | PA | 10.5 |
| Output power | PA | 100 |

B. AUTOMATIC FEEDING MACHINE:

Wherein needs following specifications:

- a. Input Power 4200/230vol/50-1
- b. Output Power 100
- c. Line Corded Three Phase
- d. Delivery Speed 2.5 second/line/10second/line
- e. All Features Required (Refer 1.2 and 2.2) Power 100W

ALLIED MACHINES OF AUTOMATIC HOT CHILLING BALL FREEZING MACHINE:

- Capacity not less than 200 kg/hr of a single 70 level machine for 500 kg/hr of production
- All Components of eq. No. 10
- Cost source related accessories

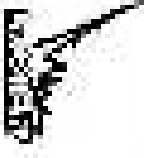
C. AUTOMATIC WATER CHILLER IN TITAN'S REPLANT

MINIMUM REQUIRED SPECIFICATIONS:

Capacity: 1000 L/hr. and 1000 L/hr. of capacity of water for chilling water from 40°C to 10°C. The cost source related accessories specifications.

E. Water Chiller (Japan) minimum requirement:

| | | |
|------------------------|------|-------|
| Capacity | 1000 | Water |
| Water Chiller Capacity | 1000 | 1000 |



Dr. S. S. Srinivasan

ICEBERG CREAM

| | | |
|--------------|----|------|
| Input power | A | 30 |
| Output power | PA | 10.5 |
| Output power | PA | 100 |

C. AUTOMATIC FEEDING MACHINE:

Wherein needs following specifications:

1. Input Power 4200/230vol/50-1
2. Output Power 100
3. Line Corded Three Phase
4. Delivery Speed 2.5 second/line/10second/line
5. All Features Required (Refer 1.2 and 2.2) Power 100W

ALLIED MACHINES OF AUTOMATIC HOT CHILLING BALL FREEZING MACHINE:

- Capacity not less than 200 kg/hr of a single 70 level machine for 500 kg/hr of production
- All Components of eq. No. 10
- Cost source related accessories

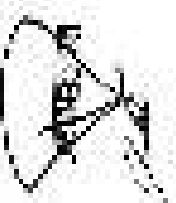
D. AUTOMATIC WATER CHILLER IN TITAN'S REPLANT

MINIMUM REQUIRED SPECIFICATIONS:

Capacity: 1000 L/hr. and 1000 L/hr. of capacity of water for chilling water from 40°C to 10°C. The cost source related accessories specifications.

E. Water Chiller (Japan) minimum requirement:

| | | |
|------------------------|------|-------|
| Capacity | 1000 | Water |
| Water Chiller Capacity | 1000 | 1000 |



| ITEM NO | ITEM DESCRIPTION | RELATIVE REQUIREMENT | SCOPE COVER | REMARKS | |
|---------|------------------------------|----------------------------|-----------------------------------|--------------------------|--------|
| 200000 | Control Room Power Supply | Temperature Control System | Type: Automatic Control System | Automatic Control System | 200000 |
| | | Power Supply | 100% 400V/50Hz | 100% 400V/50Hz | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| 200000 | Control Room Power Supply | Temperature Control System | Type: Automatic Control System | Automatic Control System | 200000 |
| | | Power Supply | 100% 400V/50Hz | 100% 400V/50Hz | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| 200000 | Control Room Power Supply | Temperature Control System | Type: Automatic Control System | Automatic Control System | 200000 |
| | | Power Supply | 100% 400V/50Hz | 100% 400V/50Hz | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| 200000 | Control Room Power Supply | Temperature Control System | Type: Automatic Control System | Automatic Control System | 200000 |
| | | Power Supply | 100% 400V/50Hz | 100% 400V/50Hz | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |
| | | Emergency Stop | 100% 24VDC | 100% 24VDC | |

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Handwritten signature and date: 20/11/20

Fig 11

3.2 TENDER DESCRIPTION

MINIMUM REQUIREMENT

| | |
|-----------------------------------|--------------------------|
| Part: Computer Controlled Process | Quantity: 1000 units |
| Characteristics of Computer | Micro Processor Computer |
| Language used | Basic |
| Language used | PLC |
| Manufacturer | Siemens |
| | Aalborg |

7. Other Trade Specifications:

Vendor shall specify details in a separate schedule of drawings. Vendor shall specify all materials, components, hardware, software, hardware, etc. to be used in the system. Vendor shall specify the system architecture, hardware, software, and all other details. Vendor shall specify the system architecture, hardware, software, and all other details.

a. CONTROL:

Control shall comply with IEC 60384-1 and IEC 60384-2. Control shall comply with IEC 60384-1 and IEC 60384-2. Control shall comply with IEC 60384-1 and IEC 60384-2. Control shall comply with IEC 60384-1 and IEC 60384-2.

MINIMUM REQUIRED SPECIFICATIONS:

BIDDER OFFER

| | |
|-----------------------------------|--------------------------|
| Part: Computer Controlled Process | Quantity: 1000 units |
| Characteristics of Computer | Micro Processor Computer |
| Language used | Basic |
| Language used | PLC |
| Manufacturer | Siemens |
| | Aalborg |

8. Other Trade Specifications:

Vendor shall specify details in a separate schedule of drawings. Vendor shall specify all materials, components, hardware, software, hardware, etc. to be used in the system. Vendor shall specify the system architecture, hardware, software, and all other details.

b. MECHANICAL SPECIFICATIONS:

MINIMUM REQUIRED SPECIFICATIONS:

APPROVED

APPROVED

APPROVED

TENDER DESCRIPTION

MAINTENANCE REQUIREMENT

ORDER OFFER

REMARKS

The above is required to maintain a standard of safety and health at all times for the public and to provide the best service possible. The work to be done is as follows:

The above is required to maintain a standard of safety and health at all times for the public and to provide the best service possible. The work to be done is as follows:

| Item | Description | Unit | Quantity |
|------|-------------|---------|----------|
| 1 | Supply of | 1000 kg | 1000 |
| 2 | Supply of | 1000 kg | 1000 |
| 3 | Supply of | 1000 kg | 1000 |

| Item | Description | Unit | Quantity |
|------|-------------|---------|----------|
| 1 | Supply of | 1000 kg | 1000 |
| 2 | Supply of | 1000 kg | 1000 |
| 3 | Supply of | 1000 kg | 1000 |

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CALLWORK REQUIREMENT

| 1 | |
|-------------|----------------|
| Grade | EA by |
| Soil | 1.0 cubic yard |
| Excavation | 1.0 cubic yard |
| Backfill | 1.0 cubic yard |
| Gravel | 1.0 cubic yard |
| Concrete | 1.0 cubic yard |
| Rebar | 1.0 cubic yard |
| Formwork | 1.0 cubic yard |
| Paint | 1.0 cubic yard |
| Insulation | 1.0 cubic yard |
| Roofing | 1.0 cubic yard |
| Plumbing | 1.0 cubic yard |
| Electrical | 1.0 cubic yard |
| HVAC | 1.0 cubic yard |
| Interior | 1.0 cubic yard |
| Exterior | 1.0 cubic yard |
| Landscaping | 1.0 cubic yard |
| Site Work | 1.0 cubic yard |
| Final | 1.0 cubic yard |
| Total | 1.0 cubic yard |

| 2 | |
|-------------|----------------|
| Grade | EA by |
| Soil | 1.0 cubic yard |
| Excavation | 1.0 cubic yard |
| Backfill | 1.0 cubic yard |
| Gravel | 1.0 cubic yard |
| Concrete | 1.0 cubic yard |
| Rebar | 1.0 cubic yard |
| Formwork | 1.0 cubic yard |
| Paint | 1.0 cubic yard |
| Insulation | 1.0 cubic yard |
| Roofing | 1.0 cubic yard |
| Plumbing | 1.0 cubic yard |
| Electrical | 1.0 cubic yard |
| HVAC | 1.0 cubic yard |
| Interior | 1.0 cubic yard |
| Exterior | 1.0 cubic yard |
| Landscaping | 1.0 cubic yard |
| Site Work | 1.0 cubic yard |
| Final | 1.0 cubic yard |
| Total | 1.0 cubic yard |

1. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work.

2. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work.

STATE A - PROVISION
 The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work.

ALTERNATE B - TARIFFS
 The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work.

ALTERNATE C - TARIFFS
 The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work. The contractor shall submit the standard form, Project, number, approval or equivalent amount, within 10 days of the start of the work.

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RAILWAY REQUIREMENT

Follow and maintain the following work the following work to be completed as directed and approved by the following staff in the field and the following staff in the following office. The following staff in the field and the following staff in the following office should maintain the following work.

Number of days...
 Number of days...
 Number of days...
 Number of days...
 Number of days...

Number of days...
 Number of days...
 Number of days...
 Number of days...
 Number of days...

| | | | |
|---|------|------|------|
| 1 | Work | 100% | 100% |
| 2 | Work | 100% | 100% |
| 3 | Work | 100% | 100% |
| 4 | Work | 100% | 100% |
| 5 | Work | 100% | 100% |
| 6 | Work | 100% | 100% |

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...

RAILWAY MATERIAL, CIVIL & ELECTRICAL WORK EX.

SCOPE OF WORK

Scope of work...
 Scope of work...
 Scope of work...

SCOPE OF WORK

Follow and maintain the following work the following work to be completed as directed and approved by the following staff in the field and the following staff in the following office. The following staff in the field and the following staff in the following office should maintain the following work.

Number of days...
 Number of days...
 Number of days...
 Number of days...
 Number of days...

| | | | |
|---|------|------|------|
| 1 | Work | 100% | 100% |
| 2 | Work | 100% | 100% |
| 3 | Work | 100% | 100% |
| 4 | Work | 100% | 100% |
| 5 | Work | 100% | 100% |
| 6 | Work | 100% | 100% |

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...

RAILWAY MATERIAL, CIVIL & ELECTRICAL WORK EX.

Scope of work...
 Scope of work...
 Scope of work...

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[Handwritten signature]

[Handwritten signature]

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TRAFFIC DESCRIPTION

RAILWAY REQUIREMENT

WAGON OFFER

TOTAL QUANTITY:
17.000

Amount: J.

DETAIL OF RAW MATERIAL REQUIRED FOR MANUFACTURING OF NUT AND BOLT

TOTAL QUANTITY:
21.000

Amount: J.

DETAIL OF RAW MATERIAL REQUIRED FOR MANUFACTURING OF NUT AND BOLT

| S/N | Description | QTY |
|-----|---|----------|
| 1 | MS Rod 12 dia 200 long class 2 | 500 kg |
| 2 | MS Rod 12 dia 200 long class 2 | 1.000 kg |
| 3 | MS Rod 12 dia 200 long class 2 | 1.000 kg |
| 4 | MS Bolt 12 dia 200 long class 2 sample available in 10000 | 200 kg |

| S/N | Description | QTY |
|-----|---|----------|
| 1 | MS Rod 12 dia 200 long class 2 | 500 kg |
| 2 | MS Rod 12 dia 200 long class 2 | 1.000 kg |
| 3 | MS Rod 12 dia 200 long class 2 | 1.000 kg |
| 4 | MS Bolt 12 dia 200 long class 2 sample available in 10000 | 200 kg |

DETAIL OF CIVIL & ELECTRIC WORKS

Amount: J.

DETAIL OF CIVIL & ELECTRIC WORKS

Amount: J.

| S.N | DESCRIPTION | QTY |
|-----|--|------|
| 1 | Remove 100mm x 100mm concrete over water | 1000 |

| S.N | DESCRIPTION | QTY |
|-----|--|------|
| 1 | Remove 100mm x 100mm concrete over water | 1000 |

[Signature]
M. S. S. S.

[Signature]
M. S. S. S.

[Signature]
M. S. S. S.

RAILWAY REQUIREMENT

GENERAL NOTES

REMARKS

| LINE | ITEM NO. | DESCRIPTION | QUANTITY | UNIT | REMARKS |
|--------------------|--|--|----------------|----------------|---------|
| 1 | <u>RAILWAY REQUIREMENT</u> | | | | |
| | <u>ITEMS 1-10</u> | | | | |
| | 1 | Excavation and filling of embankment for 12.5m wide railway track including 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ³ | |
| | 2 | Forming and filling of drainage ditch 2.4m wide by 0.6m deep on each side of the track. Considered 100% for the purpose of this estimate. | 4800 | m ³ | |
| | 3 | Providing and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| | 4 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| | 5 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| | 6 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| | 7 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| | 8 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | |
| <u>ITEMS 11-20</u> | | | | | |
| 11 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 12 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 13 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 14 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 15 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 16 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 17 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 18 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 19 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |
| 20 | Supply and putting in 12.5m wide railway track with 1.5m wide shoulder on each side. Considered 100% for the purpose of this estimate. | 1200 | m ² | | |

10/10/2018
10/10/2018

10/10/2018

10/10/2018

SEMI-ANNUAL REPORT

BY-LAW REVISIONS

MINUTE BOOK

| NO. | DESCRIPTION | DATE | AMOUNT | DATE | AMOUNT |
|-----|-------------|------|--------|------|--------|
| 1 | ... | ... | ... | ... | ... |
| 2 | ... | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... | ... |
| 6 | ... | ... | ... | ... | ... |
| 7 | ... | ... | ... | ... | ... |
| 8 | ... | ... | ... | ... | ... |
| 9 | ... | ... | ... | ... | ... |
| 10 | ... | ... | ... | ... | ... |
| 11 | ... | ... | ... | ... | ... |
| 12 | ... | ... | ... | ... | ... |
| 13 | ... | ... | ... | ... | ... |
| 14 | ... | ... | ... | ... | ... |
| 15 | ... | ... | ... | ... | ... |
| 16 | ... | ... | ... | ... | ... |
| 17 | ... | ... | ... | ... | ... |
| 18 | ... | ... | ... | ... | ... |
| 19 | ... | ... | ... | ... | ... |
| 20 | ... | ... | ... | ... | ... |
| 21 | ... | ... | ... | ... | ... |
| 22 | ... | ... | ... | ... | ... |
| 23 | ... | ... | ... | ... | ... |
| 24 | ... | ... | ... | ... | ... |
| 25 | ... | ... | ... | ... | ... |
| 26 | ... | ... | ... | ... | ... |
| 27 | ... | ... | ... | ... | ... |
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SEE TENDER DESCRIPTION

CALLING REQUIREMENT

BIDDER SPECIFIC

| | | | | | |
|----|--|---|--|--|--|
| 21 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 22 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 23 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 24 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 25 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 26 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 27 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 28 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 29 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |
| 30 | Providing and installing hardware including: 1.000 lbs. capacity including hardware, labor, materials, etc. complete and request for quote. 20171114 P-151 | 3 | | | |

RAILWAY REQUIREMENT

ROOFER OFFER

REMARKS

| Item No. | Item Description | Quantity | Unit | Remarks |
|----------|---|----------|----------------|---------|
| 25 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 200 | m ³ | |
| 26 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 2 | m ³ | |
| 27 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 4000 | m ³ | |
| 28 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 4 | m ³ | |
| 29 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 4 | m ³ | |
| 30 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 4 | m ³ | |
| 31 | Provide and lay 225x115 2nd class bricks with 1:1 ratio of brick to mortar and 1:2 ratio of brick to mortar in all walls including 1:1:2 concrete and 1:2:4 concrete. | 4000 | m ³ | |

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BALANCE REQUIREMENT

BIDDER OFFER

| LINE NUMBER | ITEM DESCRIPTION | QUANTITY | UNIT | PRICE |
|-------------|--|----------|------|-------|
| 20 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 21 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 22 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 23 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 24 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 25 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 26 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 27 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 28 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 29 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |
| 30 | <p>Balance per State Budget & Finance Dept. for the year ending 12/31/12. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00. The amount of the balance is \$1,000,000.00.</p> | 100 | | |

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RAILWAY REQUIREMENT

| RAILWAY REQUIREMENT | | BORDER CROSSER | | REMARKS |
|---------------------|---|----------------|---|---------|
| Item No. | Description | Item No. | Description | |
| 45 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | 45 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | |
| 46 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | 46 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | |
| 47 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | 47 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | |
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| 50 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | 50 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | |
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| 52 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | 52 | Designing and fabricating overhead contact system for 25KV AC 50Hz traction supply system. (Ref: IS: 11172) | |

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BID EVALUATION CHECK LIST

Bid evaluation of the tender for the Procurement and Installation of Nut & Bolt Forging Machines at Signal Workshops, Lahore.

M/s Spirit Industries PVT LTD

| Sr. No. | Description | Remarks | No. |
|---------|---|--------------------------|----------|
| 1. | Is Registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of FBR? | Yes | 1 |
| 2. | Is Registered with PEC in Category PEC C-4 category? | Yes | 2 |
| 3. | Is deposited Bid Security (C.DR)? | Yes | 3 |
| 4. | Is Delivery and completion Schedule confirmed? | Yes | 4 |
| 5. | Are Compliance to the provided Specifications and relevant literature attached? | Yes | 5 |
| 6. | Work completion Certificate attached? | Yes | 13 to 14 |
| 7. | Compliance to the Bid Validity Period | Yes | 7 |
| 8. | Letter for confirmation of submission of performance security within 28days after receipt of Letter of Acceptance | Yes | 8 |
| 9. | Is Organization chart attached? | Yes | 9 |
| 10. | Is compliance to the Warranty i.e. 12 Month after supply of equipment and GCC Sub clause 28.5 also defined period in PCC confirmed? | Yes | 10 |
| 11. | Is Letter for provision of After Sale services on copy of Warranty for 05 years or above attached? | Yes | 11 |
| 12. | Is Literature regarding machines accompany to bid? | Avaliable vide S. No. 27 | 15 |

BID EVALUATION CRITERIA

BID EVALUATION OF THE TENDERS FOR THE PROCUREMENT AND INSTALLATION OF HOT & COLD FORGING MACHINE COMPLETE UNIT, AT SIGNAL WORKSHOPS, LAHORE.

M&S Spirit Industries PVT. LTD

| SR. NO. | DESCRIPTION | WEIGHTAGE (%) | S.No. | REMARKS |
|---------|---|---------------|-------|-----------|
| 1 | Registered with Income Tax and Sales Tax Departments and also are on Active Company list of FBR. | Compulsory | 1 | 100% |
| 2 | Registered with P.T. in 10 categories (I to X) categories | Compulsory | 2 | 100% |
| 3 | Bid Security (GDR) | Compulsory | 3 | 100% |
| 4 | Delivery and completion Schedule | Compulsory | 4 | 100% |
| 5 | Compliance to the provided specifications | Compulsory | 5 | 100% |
| 6 | Years executed for similar/supplement nature of job | 15 | 6 | 01 |
| 7 | Compliance in the Bid Security Period | Compulsory | 7 | 100% |
| 8 | Letter for confirmation of submission of performance security within 28 days after receipt of Letter of Acceptance | Compulsory | 8 | 100% |
| 9 | Organization chart for: i) Procurement of Goods from source ii) Transportation of Goods from Source to destination (Signal Shops) iii) Rail Transport with contractual and other related matters with Purchaser (Pakistan railways). iv) Concerned Engineer v) Concerned Diploma Holder & Maintainer / Technician. | 20 | 9 | 20 |
| 10 | Compliance in the Warranty i.e. 12 Month after supply/TC of equipment and GCC Sub clause 18.5 as defined period in PCC | Compulsory | 10 | 100% |
| 11 | Letter for provision of After Sale service or expiry of Warranty for 15 years or above. Registered with SFED | 20 | 11 | 20 |
| 12 | Age of Company Above 10 Years = 10 Marks Above 05 Years = 05 Marks Below 05 Years = 0 | 10 | 12 | 05 |
| 13 | Past Experience with Pakistan Railways (C5 & above certificate) = 10 Marks (C3 & above certificate) = 07 Marks (C1 & above certificate) = 05 Marks | 10 | 13&14 | 10 |
| 14 | Past Experience with Pakistan Railways Completion of Contracts average last 3 years IV Above Rs. 250M/Year = 20 V Above Rs. 150M/Year = 10 VI Below Rs. 150M/Year = 0 | 20 | 14 | 20 |
| 15 | Manufacturer/Supplier Authorization Certificate | 10 | 15 | 10 |
| | TOTAL | 100 | | 85 |

As per PPRA rule 22 (2) above bid evaluation criteria must be filled along with the technical offer will be rejected.

Signature with Sign & Stamp

TECHNICAL EVALUATION SHEET AGAINST TENDER NO. 799-BUPPHD220-2021

CP No. 221
 24/09/2021

84

TECHNICAL DESCRIPTION

QUALITY REQUIREMENT

QUALITY OFFER

REMARKS

Supply and installation of 1000mm diameter concrete pipe for 1000m length including labor, material, and other items as per the Bill of Materials (BOM) attached herewith. The pipe shall be installed in a trench 1000mm wide and 1000mm deep. The trench shall be excavated and backfilled with good quality soil. The pipe shall be laid in a straight line and shall be supported by concrete blocks. The pipe shall be tested for 1000mm diameter and 1000m length. The pipe shall be installed in a trench 1000mm wide and 1000mm deep. The trench shall be excavated and backfilled with good quality soil. The pipe shall be laid in a straight line and shall be supported by concrete blocks. The pipe shall be tested for 1000mm diameter and 1000m length.

APPROXIMATE QUANTITY REQUIRED FOR THE PROJECT:
 TOTAL QUANTITY:
 1000m

APPROXIMATE QUANTITY OFFERED BY THE BIDDER:

| Sl. No. | Description | Unit | Qty. Offered | Qty. Required |
|---------|----------------------------|----------------|--------------|---------------|
| 1 | 1000mm dia. concrete pipe | m | 1000 | 1000 |
| 2 | Concrete blocks | m ³ | 100 | 100 |
| 3 | Excavation and backfilling | m ³ | 1000 | 1000 |
| 4 | Labor | man-days | 100 | 100 |

APPROXIMATE QUANTITY REQUIRED FOR THE PROJECT:
 TOTAL QUANTITY:
 1000m

APPROXIMATE QUANTITY OFFERED BY THE BIDDER:

| Sl. No. | Description | Unit | Qty. Offered | Qty. Required |
|---------|----------------------------|----------------|--------------|---------------|
| 1 | 1000mm dia. concrete pipe | m | 1000 | 1000 |
| 2 | Concrete blocks | m ³ | 100 | 100 |
| 3 | Excavation and backfilling | m ³ | 1000 | 1000 |
| 4 | Labor | man-days | 100 | 100 |

Supply and installation of 1000mm diameter concrete pipe for 1000m length including labor, material, and other items as per the Bill of Materials (BOM) attached herewith. The pipe shall be installed in a trench 1000mm wide and 1000mm deep. The trench shall be excavated and backfilled with good quality soil. The pipe shall be laid in a straight line and shall be supported by concrete blocks. The pipe shall be tested for 1000mm diameter and 1000m length. The pipe shall be installed in a trench 1000mm wide and 1000mm deep. The trench shall be excavated and backfilled with good quality soil. The pipe shall be laid in a straight line and shall be supported by concrete blocks. The pipe shall be tested for 1000mm diameter and 1000m length.

APPROXIMATE QUANTITY REQUIRED FOR THE PROJECT:
 TOTAL QUANTITY:
 1000m

APPROXIMATE QUANTITY OFFERED BY THE BIDDER:

APPROXIMATE QUANTITY REQUIRED FOR THE PROJECT:
 TOTAL QUANTITY:
 1000m

REMARKS

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BY AUTOMATIC HOIST PULLING UNIT & FORMING MACHINE

BY AUTOMATIC HOIST PULLING UNIT & FORMING MACHINE

ALUMINIUM RAIL BEAM SPECIFICATIONS:

The material is a light weight composite of Al & 1% epoxy resin, providing no bending produced over its length. The material shall be formed to match the profile produced by automatic hoisting and forming machine.

- Material produced by automatic hoisting and forming machine is to comply with the following dimensions and tolerances:
- The material is to be formed to match the profile produced by automatic hoisting and forming machine.
- The material is to be formed to match the profile produced by automatic hoisting and forming machine.
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- The material is to be formed to match the profile produced by automatic hoisting and forming machine.
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- The material is to be formed to match the profile produced by automatic hoisting and forming machine.
- The material is to be formed to match the profile produced by automatic hoisting and forming machine.
- The material is to be formed to match the profile produced by automatic hoisting and forming machine.

Notes: Contractor shall not remove any material from the site without the approval of the Engineer.

| Sl. No. | Item Description | Unit | Quantity | Rate | Total |
|---------|--|------------|----------|-------|---------|
| 1 | Supply of 100mm x 100mm x 10mm Aluminium Rail Beam | km | 17.2 | 12000 | 206400 |
| 2 | Labour | Person/Day | 500 | 100 | 50000 |
| 3 | Material | kg | 10000 | 200 | 2000000 |
| 4 | Transportation | km | 17.2 | 10000 | 172000 |
| 5 | Profit | % | | 10 | 2064000 |
| 6 | Power of place (as per tender) | kg | | 10000 | 1000000 |
| | | | | | 4228000 |

Material Details:

| Sl. No. | Item Description | Unit | Quantity | Rate | Total |
|---------|--|------------|----------|-------|--------|
| 1 | Supply of 100mm x 100mm x 10mm Aluminium Rail Beam | km | 17.2 | 12000 | 206400 |
| 2 | Labour | Person/Day | 500 | 100 | 50000 |

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Details of Material to be used:

| Sl. No. | Item Description | Unit | Quantity | Rate | Total |
|---------|--|------------|----------|-------|---------|
| 1 | Supply of 100mm x 100mm x 10mm Aluminium Rail Beam | km | 17.2 | 12000 | 206400 |
| 2 | Labour | Person/Day | 500 | 100 | 50000 |
| 3 | Material | kg | 10000 | 200 | 2000000 |
| 4 | Transportation | km | 17.2 | 10000 | 172000 |
| 5 | Profit | % | | 10 | 2064000 |
| 6 | Power of place (as per tender) | kg | | 10000 | 1000000 |
| | | | | | 4228000 |

Material Details:

| Sl. No. | Item Description | Unit | Quantity | Rate | Total |
|---------|--|------------|----------|-------|--------|
| 1 | Supply of 100mm x 100mm x 10mm Aluminium Rail Beam | km | 17.2 | 12000 | 206400 |
| 2 | Labour | Person/Day | 500 | 100 | 50000 |

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TRUCK REQUIREMENTS

| Item | Quantity | Unit | Value |
|------|----------------------------|------|-------|
| 1 | Output Equipment | 100 | 100 |
| 2 | Output Equipment Frequency | 100 | 100 |
| 3 | Output Equipment Frequency | 100 | 100 |
| 4 | Output Equipment Frequency | 100 | 100 |
| 5 | Output Equipment Frequency | 100 | 100 |
| 6 | Output Equipment Frequency | 100 | 100 |

Advanced Diagnostic Machine

| Item | Quantity | Unit | Value |
|------|-----------------------------|------|-------|
| 1 | Advanced Diagnostic Machine | 1 | 100 |
| 2 | Advanced Diagnostic Machine | 1 | 100 |
| 3 | Advanced Diagnostic Machine | 1 | 100 |

See member by line 3. Also, I will be in your shop for an environmental test, wiring and can help with other environmental testing.

Final Environmental Test

| Item | Quantity | Unit | Value |
|------|--------------------------|------|-------|
| 1 | Final Environmental Test | 1 | 100 |
| 2 | Final Environmental Test | 1 | 100 |
| 3 | Final Environmental Test | 1 | 100 |
| 4 | Final Environmental Test | 1 | 100 |

Other Machine

1. I will send the list of other equipment I require for

MODERN CENTER

| Item | Quantity | Unit | Value |
|------|----------------------------|------|-------|
| 1 | Output Equipment | 100 | 100 |
| 2 | Output Equipment Frequency | 100 | 100 |
| 3 | Output Equipment Frequency | 100 | 100 |
| 4 | Output Equipment Frequency | 100 | 100 |
| 5 | Output Equipment Frequency | 100 | 100 |
| 6 | Output Equipment Frequency | 100 | 100 |

Advanced Diagnostic Machine

| Item | Quantity | Unit | Value |
|------|-----------------------------|------|-------|
| 1 | Advanced Diagnostic Machine | 1 | 100 |
| 2 | Advanced Diagnostic Machine | 1 | 100 |
| 3 | Advanced Diagnostic Machine | 1 | 100 |

See member by line 3. Also, I will be in your shop for an environmental test, wiring and can help with other environmental testing.

Final Environmental Test

| Item | Quantity | Unit | Value |
|------|--------------------------|------|-------|
| 1 | Final Environmental Test | 1 | 100 |
| 2 | Final Environmental Test | 1 | 100 |
| 3 | Final Environmental Test | 1 | 100 |
| 4 | Final Environmental Test | 1 | 100 |

Other Machine

1. I will send the list of other equipment I require for

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| OWNER DESCRIPTION | QUALITY REQUIREMENT | PROPERTY OWNER | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|-------------------|---------|-------|----------|----|----|---------------------|----|----|------------------------|------|-------------------|------------------------|------|----|--------------|-------|---------|----------------|------|-----------|-----------------------|------|----|-----------------------|------|----|-------|------|---------|---------|------|---------|-------|------|---------|---|------------------|
| | <p>total installed capacity to be 1000 kw</p> <ul style="list-style-type: none"> 4 no. Condensers 1 CONDENSER FOUND AVAILABLE <p>2) AUTOMATIC WATER SHUT OFF WITH TANK & BOILER</p> <p>3) AUTOMATIC WATER SHUT OFF WITH:</p> <p>Temperature of water not to fall below 70 degrees Fahrenheit Pressure not to fall below 20 psi Water level not to fall below 20 psi</p> <p>4. Water Cooler (Approx. minimum requirement)</p> <table border="1" data-bbox="319 470 1037 1232"> <thead> <tr> <th>Item</th> <th>Unit</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Capacity</td> <td>HP</td> <td>30</td> </tr> <tr> <td>Water Pump Capacity</td> <td>HP</td> <td>30</td> </tr> <tr> <td>Operation Control Mode</td> <td>Type</td> <td>Automatic Control</td> </tr> <tr> <td>Operation Control Mode</td> <td>Type</td> <td>21</td> </tr> <tr> <td>Power Supply</td> <td>Volts</td> <td>120V AC</td> </tr> <tr> <td>Unit Structure</td> <td>Type</td> <td>Steel Box</td> </tr> <tr> <td>Condenser Temperature</td> <td>Type</td> <td>15</td> </tr> <tr> <td>Condenser Temperature</td> <td>Type</td> <td>15</td> </tr> <tr> <td>Light</td> <td>Type</td> <td>2 x 40W</td> </tr> <tr> <td>Cooling</td> <td>Type</td> <td>2 x 40W</td> </tr> <tr> <td>Water</td> <td>Type</td> <td>2 x 40W</td> </tr> </tbody> </table> <p>Pressure: 100 psi</p> <p>Temperature: 100°F</p> <p>Water: 100 gal</p> <p>Power: 100 kW</p> <p>Capacity: 100 gal</p> <p>Operation: 100 gal</p> <p>Control: 100 gal</p> <p>Unit: 100 gal</p> <p>Structure: 100 gal</p> <p>Temperature: 100 gal</p> <p>Condenser: 100 gal</p> <p>Light: 100 gal</p> <p>Cooling: 100 gal</p> <p>Water: 100 gal</p> | Item | Unit | Value | Capacity | HP | 30 | Water Pump Capacity | HP | 30 | Operation Control Mode | Type | Automatic Control | Operation Control Mode | Type | 21 | Power Supply | Volts | 120V AC | Unit Structure | Type | Steel Box | Condenser Temperature | Type | 15 | Condenser Temperature | Type | 15 | Light | Type | 2 x 40W | Cooling | Type | 2 x 40W | Water | Type | 2 x 40W | <p>5) AUTOMATIC WATER SHUT OFF WITH TANK & BOILER</p> <p>6) AUTOMATIC WATER SHUT OFF WITH TANK & BOILER</p> <p>Capacity: 1000 kw Power: 1000 kw Water: 1000 gal</p> <p>Temperature: 100°F Pressure: 100 psi</p> <p>Water level: 100 gal</p> <p>Water pump: 100 gal</p> <p>Unit structure: 100 gal</p> <p>Condenser temperature: 100 gal</p> <p>Condenser temperature: 100 gal</p> <p>Light: 100 gal</p> <p>Cooling: 100 gal</p> <p>Water: 100 gal</p> <p>Power supply: 100 gal</p> <p>Unit structure: 100 gal</p> <p>Condenser temperature: 100 gal</p> <p>Condenser temperature: 100 gal</p> <p>Light: 100 gal</p> <p>Cooling: 100 gal</p> <p>Water: 100 gal</p> | <p>See above</p> |
| Item | Unit | Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacity | HP | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Pump Capacity | HP | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation Control Mode | Type | Automatic Control | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation Control Mode | Type | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Supply | Volts | 120V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit Structure | Type | Steel Box | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Condenser Temperature | Type | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Condenser Temperature | Type | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Light | Type | 2 x 40W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooling | Type | 2 x 40W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water | Type | 2 x 40W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| GRADE DESCRIPTION | RAILWAY REQUIREMENT | | RECORDS OFFICE | | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------------------|--|------------------------------|-------------------|---------------------------------|---------|-------------------------|-------------------|---------------------------------|-------------------|-------------------------|-------------------|---------------------------------|-------------------|---|-----------------------------------|--|------------------------------|-------------------|---------------------------------|---------|-------------------------|-------------------|---------------------------------|-------------------|-------------------------|-------------------|---------------------------------|-------------------|------|
| Search, Installation, Testing & commissioning of Automatic 2 sides trackside warning 21 Sep 1985 | <p>Positive Direction</p> <table border="1" data-bbox="829 716 1356 1187"> <tr><td>Protective Signal of Power Supply</td><td>Protection to Prevent Carno Derailment</td></tr> <tr><td>Height and low voltage field</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Warning</td></tr> <tr><td>Outstanding: Derailment</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Protective Signal</td></tr> <tr><td>Outstanding: Derailment</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Protective Signal</td></tr> </table> <p>B. Main Track Specifications Main line, specification: The track has a grade of 1:100. The track is 2.1m wide between rails and the gauge is 1.435m. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed.</p> <p>C. Road Profile Construction details of Road Profile to be given in separate sheets to be submitted by vendor.</p> <p>AUTOMATIC 2 SIDES TRACKSIDE WARNING ETC. TOTAL QUANTITY: 21 Sep</p> | Protective Signal of Power Supply | Protection to Prevent Carno Derailment | Height and low voltage field | Protective Signal | Compressed Air/Split Protection | Warning | Outstanding: Derailment | Protective Signal | Compressed Air/Split Protection | Protective Signal | Outstanding: Derailment | Protective Signal | Compressed Air/Split Protection | Protective Signal | <p>Reverse Direction</p> <table border="1" data-bbox="829 1523 1356 1993"> <tr><td>Protective Signal of Power Supply</td><td>Protection to Prevent Carno Derailment</td></tr> <tr><td>Height and low voltage field</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Warning</td></tr> <tr><td>Outstanding: Derailment</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Protective Signal</td></tr> <tr><td>Outstanding: Derailment</td><td>Protective Signal</td></tr> <tr><td>Compressed Air/Split Protection</td><td>Protective Signal</td></tr> </table> <p>B. Main Track Specifications The track has a grade of 1:100. The track is 2.1m wide between rails and the gauge is 1.435m. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed. The track is to be constructed with a 100mm deep ball bed and a 150mm deep topsoil bed.</p> <p>C. Road Profile Construction details of Road Profile to be given in separate sheets to be submitted by vendor.</p> <p>AUTOMATIC 2 SIDES TRACKSIDE WARNING ETC. TOTAL QUANTITY: 21 Sep</p> | Protective Signal of Power Supply | Protection to Prevent Carno Derailment | Height and low voltage field | Protective Signal | Compressed Air/Split Protection | Warning | Outstanding: Derailment | Protective Signal | Compressed Air/Split Protection | Protective Signal | Outstanding: Derailment | Protective Signal | Compressed Air/Split Protection | Protective Signal | Same |
| Protective Signal of Power Supply | Protection to Prevent Carno Derailment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Height and low voltage field | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Warning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outstanding: Derailment | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outstanding: Derailment | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protective Signal of Power Supply | Protection to Prevent Carno Derailment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Height and low voltage field | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Warning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outstanding: Derailment | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outstanding: Derailment | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compressed Air/Split Protection | Protective Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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TRACER DESCRIPTION

making it necessary
also check when the
preparation of the
form is a part of the
radiation of the
formation of the
the investigation
(1/20) (1/20)
the amount of the
radiation is at least
determined by the
form of the power

SAFETY REQUIREMENT

MINIMUM REQUIRED SPECIFICATIONS:

The machine must be equipped with a radiation safety
light signal. The radiation safety light must be
operational and visible from all angles. The
radiation safety light must be equipped with a
battery and a switch. The radiation safety light
must be equipped with a battery and a switch.
The radiation safety light must be equipped
with a battery and a switch. The radiation
safety light must be equipped with a battery
and a switch. The radiation safety light
must be equipped with a battery and a switch.

Minimum required specifications for the

| Serial Number | Year | Model | Capacity |
|---------------|------|-------|----------|
| 1 | 1971 | 1000 | 1000 |
| 2 | 1971 | 1000 | 1000 |
| 3 | 1971 | 1000 | 1000 |
| 4 | 1971 | 1000 | 1000 |
| 5 | 1971 | 1000 | 1000 |

Minimum required specifications for the

| Serial Number | Year | Model | Capacity |
|---------------|------|-------|----------|
| 1 | 1971 | 1000 | 1000 |
| 2 | 1971 | 1000 | 1000 |
| 3 | 1971 | 1000 | 1000 |
| 4 | 1971 | 1000 | 1000 |
| 5 | 1971 | 1000 | 1000 |

**AUTOMATIC MUTATION MACHINE, INDUCTION FURNACE, FEEDING
MACHINE ETC.**

TOTAL QUALITY

Minimum required specifications
The machine must be equipped with a radiation
safety light. The radiation safety light must
be equipped with a battery and a switch. The
radiation safety light must be equipped with
a battery and a switch. The radiation safety
light must be equipped with a battery and a
switch. The radiation safety light must be
equipped with a battery and a switch.

MINIMUM DETERMINATION

MINIMUM DETERMINATION

The machine must be equipped with a radiation
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radiation safety light must be equipped with
a battery and a switch. The radiation safety
light must be equipped with a battery and a
switch. The radiation safety light must be
equipped with a battery and a switch.

Minimum required specifications for the

| Serial Number | Year | Model | Capacity |
|---------------|------|-------|----------|
| 1 | 1971 | 1000 | 1000 |
| 2 | 1971 | 1000 | 1000 |
| 3 | 1971 | 1000 | 1000 |
| 4 | 1971 | 1000 | 1000 |
| 5 | 1971 | 1000 | 1000 |

Minimum required specifications for the

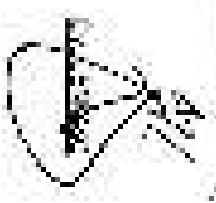
| Serial Number | Year | Model | Capacity |
|---------------|------|-------|----------|
| 1 | 1971 | 1000 | 1000 |
| 2 | 1971 | 1000 | 1000 |
| 3 | 1971 | 1000 | 1000 |
| 4 | 1971 | 1000 | 1000 |
| 5 | 1971 | 1000 | 1000 |

**AUTOMATIC MUTATION MACHINE, INDUCTION FURNACE, FEEDING
MACHINE ETC.**

TOTAL QUALITY

Minimum required specifications
The machine must be equipped with a radiation
safety light. The radiation safety light must
be equipped with a battery and a switch. The
radiation safety light must be equipped with
a battery and a switch. The radiation safety
light must be equipped with a battery and a
switch. The radiation safety light must be
equipped with a battery and a switch. The
radiation safety light must be equipped with
a battery and a switch. The radiation safety
light must be equipped with a battery and a
switch. The radiation safety light must be
equipped with a battery and a switch.

TOTAL QUALITY



GENERAL INFORMATION

1. Name of building: _____
 2. Street address: _____
 3. City: _____
 4. State: _____
 5. Zip: _____
 6. Date of report: _____
 7. Name of inspector: _____

PLUMBING MEASUREMENT

- Plumbing measurements:
- Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe
 - Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe
 - Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe

PLUMBING MEASUREMENT

Plumbing measurements:

| Measurement | Value | Unit | Notes |
|---|-------|------|-------|
| Vertical distance from finished floor to center of pipe | 10 | ft | |
| Horizontal distance from finished floor to center of pipe | 12 | ft | |
| Vertical distance from finished floor to center of pipe | 15 | ft | |
| Horizontal distance from finished floor to center of pipe | 18 | ft | |
| Vertical distance from finished floor to center of pipe | 20 | ft | |
| Horizontal distance from finished floor to center of pipe | 22 | ft | |
| Vertical distance from finished floor to center of pipe | 25 | ft | |
| Horizontal distance from finished floor to center of pipe | 28 | ft | |
| Vertical distance from finished floor to center of pipe | 30 | ft | |
| Horizontal distance from finished floor to center of pipe | 32 | ft | |

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GENERAL INFORMATION

- Plumbing measurements:
- Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe
 - Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe
 - Vertical distance from finished floor to center of pipe
 - Horizontal distance from finished floor to center of pipe

PLUMBING MEASUREMENT

Plumbing measurements:

| Measurement | Value | Unit | Notes |
|---|-------|------|-------|
| Vertical distance from finished floor to center of pipe | 10 | ft | |
| Horizontal distance from finished floor to center of pipe | 12 | ft | |
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| Horizontal distance from finished floor to center of pipe | 18 | ft | |
| Vertical distance from finished floor to center of pipe | 20 | ft | |
| Horizontal distance from finished floor to center of pipe | 22 | ft | |
| Vertical distance from finished floor to center of pipe | 25 | ft | |
| Horizontal distance from finished floor to center of pipe | 28 | ft | |
| Vertical distance from finished floor to center of pipe | 30 | ft | |
| Horizontal distance from finished floor to center of pipe | 32 | ft | |

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POWER DESCRIPTION

CALCULATED REQUIREMENT

| | | |
|-------------------|----|----------------|
| Welding Machine | TT | 80 |
| Power Source | TT | 100 |
| Control Panel | TT | 2000/1000/1000 |
| Welding Electrode | TT | 2000/1000 |
| Welding Rod | TT | 1000/1000 |
| Welding Wire | TT | 1000/1000 |

B. ELECTRICAL SUPPLY

| | | |
|-------------------|----|-----|
| Spot Welder | TT | 100 |
| Welding Machine | TT | 100 |
| Welding Rod | TT | 100 |
| Welding Wire | TT | 100 |
| Welding Electrode | TT | 100 |
| Welding Rod | TT | 100 |

C. AUTOMATIC FEEDING MACHINE

Welding Machine

- Welding Machine
- Welding Rod
- Welding Wire
- Welding Electrode
- Welding Rod
- Welding Wire

SELECTED FEATURES OF AUTOMATIC FEEDING MACHINE

- Welding Machine
- Welding Rod
- Welding Wire
- Welding Electrode
- Welding Rod
- Welding Wire

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DISCUSS & OPINION

| | | |
|-------------------|----|----------------|
| Welding Machine | TT | 100 |
| Power Source | TT | 100 |
| Control Panel | TT | 2000/1000/1000 |
| Welding Electrode | TT | 2000/1000 |
| Welding Rod | TT | 1000/1000 |
| Welding Wire | TT | 1000/1000 |

D. ELECTRICAL SUPPLY

| | | |
|-------------------|----|-----|
| Spot Welder | TT | 100 |
| Welding Machine | TT | 100 |
| Welding Rod | TT | 100 |
| Welding Wire | TT | 100 |
| Welding Electrode | TT | 100 |
| Welding Rod | TT | 100 |

E. AUTOMATIC FEEDING MACHINE

Welding Machine

- Welding Machine
- Welding Rod
- Welding Wire
- Welding Electrode
- Welding Rod
- Welding Wire

SELECTED FEATURES OF AUTOMATIC FEEDING MACHINE

- Welding Machine
- Welding Rod
- Welding Wire
- Welding Electrode
- Welding Rod
- Welding Wire

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UNDES DESCRIPTION

RAILWAY REQUIREMENT

ENGINE OFFER

REMARKS

For an engine engine should meet the class of 200 BHP. Engine 1
 The fuel consumption of engine should not be more than 100 g/kwh
 and the speed should be more than 100 km/h. The engine should be able to
 operate at least 1000 hours per year. The engine should be able to
 operate at least 1000 hours per year.

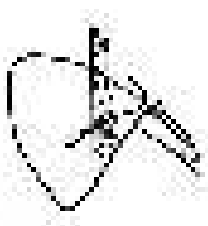
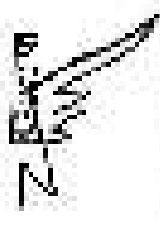
AUTOMATIC SHOT BLASTING MACHINE
 Capacity: 100 kg/hour; TWT: 1000 kg; Speed: 200 RPM;
 Size: 1000 mm x 1000 mm x 1000 mm

MINIMUM REQUIRED SPECIFICATIONS

The engine should meet the following specifications of class 200 BHP and also
 the fuel consumption of engine should not be more than 100 g/kwh and the
 speed should be more than 100 km/h. The engine should be able to
 operate at least 1000 hours per year.

| No. | Description | Value |
|-----|------------------|------------|
| 1 | Capacity | 200 BHP |
| 2 | Speed | 100 km/h |
| 3 | Fuel consumption | 100 g/kwh |
| 4 | Operating hours | 1000 hours |
| 5 | Operating hours | 1000 hours |
| 6 | Operating hours | 1000 hours |
| 7 | Operating hours | 1000 hours |
| 8 | Operating hours | 1000 hours |
| 9 | Operating hours | 1000 hours |
| 10 | Operating hours | 1000 hours |

| No. | Description | Value |
|-----|-------------|-----------------------------|
| 1 | Capacity | 100 kg/hour |
| 2 | TWT | 1000 kg |
| 3 | Speed | 200 RPM |
| 4 | Size | 1000 mm x 1000 mm x 1000 mm |
| 5 | Capacity | 100 kg/hour |
| 6 | TWT | 1000 kg |
| 7 | Speed | 200 RPM |
| 8 | Size | 1000 mm x 1000 mm x 1000 mm |
| 9 | Capacity | 100 kg/hour |
| 10 | TWT | 1000 kg |
| 11 | Speed | 200 RPM |
| 12 | Size | 1000 mm x 1000 mm x 1000 mm |



ITEMS REQUIRED

QUALITY REQUIREMENT

PRICE & COSTS

REMARKS

| Item | Quantity | Unit | Price | Total |
|----------------|----------|------|-------|-------|
| 1. ROOF | | | | |
| Subtotal | | | | |
| Material | | | | |
| Labour | | | | |
| Equipment | | | | |
| Other | | | | |
| Total | | | | |

| Item | Quantity | Unit | Price | Total |
|----------------|----------|------|-------|-------|
| 2. ROOF | | | | |
| Subtotal | | | | |
| Material | | | | |
| Labour | | | | |
| Equipment | | | | |
| Other | | | | |
| Total | | | | |

Sample Training & construction of substructure of Training structure, 2 sets of 2000 sqm each, 2000 sqm each.

1. **TOTAL QUANTITY:**
21000

REMARKS:

2. **REMARKS:**

3. **TOTAL QUANTITY:**
21000

REMARKS:

10/12

10/12

10/12

RAILWAY COURSEMENT

RECORD & DEPT

REMARKS

THEORY DESCRIPTION

1. **Cost**
 2. **Construction**
 3. **Operation**
 4. **Maintenance**
 5. **Inspection**
 6. **Accidents**

The most important thing is to know the cost and to know how to estimate it. The cost of the railway is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway itself is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway operation is divided into two parts: the cost of the railway operation itself and the cost of the railway operation.

The cost of the railway is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway itself is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway operation is divided into two parts: the cost of the railway operation itself and the cost of the railway operation.

| Sl. No. | Description | 1st Est. | 2nd Est. |
|---------|-------------------|----------|----------|
| 1 | Working Range | 1000000 | 1000000 |
| 2 | Work | 1000000 | 1000000 |
| 3 | Working Range | 1000000 | 1000000 |
| 4 | Cost of Operation | 1000000 | 1000000 |
| 5 | Expenses | 1000000 | 1000000 |
| 6 | Total Provision | 1000000 | 1000000 |

| Sl. No. | Description | 1st Est. | 2nd Est. |
|---------|-------------------|----------|----------|
| 1 | Working Range | 1000000 | 1000000 |
| 2 | Work | 1000000 | 1000000 |
| 3 | Working Range | 1000000 | 1000000 |
| 4 | Cost of Operation | 1000000 | 1000000 |
| 5 | Expenses | 1000000 | 1000000 |
| 6 | Total Provision | 1000000 | 1000000 |

REPORT OF THE WORK

1. **Cost**
 2. **Construction**
 3. **Operation**
 4. **Maintenance**
 5. **Inspection**
 6. **Accidents**

The most important thing is to know the cost and to know how to estimate it. The cost of the railway is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway itself is divided into two parts: the cost of the railway itself and the cost of the railway operation. The cost of the railway operation is divided into two parts: the cost of the railway operation itself and the cost of the railway operation.

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OWNER DESCRIPTION

BILLBOARD REQUIREMENT

BIDDING OFFER

REMARKS

TOTAL QUANTITY
of lot

Quantity of

TOTAL QUANTITY
of lot

Quantity of

DETAILS OF MAIN MATERIAL SHOULD BE FORWARDED TO THE ENGINEER OF WORK AND SOIL

DETAILS OF MAIN MATERIAL SHOULD BE FORWARDED TO THE ENGINEER OF WORK AND SOIL

| Sl. No | Description | QTY |
|--------|---------------------------------|--------|
| 1 | Red soil for leveling class 2 | 100 cu |
| 2 | Red soil for leveling class 3 | 100 cu |
| 3 | Volume for the leveling class 2 | 100 cu |
| 4 | Red soil for leveling class 3 | 100 cu |
| 5 | Volume for the leveling class 3 | 100 cu |

| Sl. No | Description | QTY |
|--------|---------------------------------|--------|
| 1 | Red soil for leveling class 2 | 100 cu |
| 2 | Red soil for leveling class 3 | 100 cu |
| 3 | Volume for the leveling class 2 | 100 cu |
| 4 | Red soil for leveling class 3 | 100 cu |
| 5 | Volume for the leveling class 3 | 100 cu |

DETAILS OF CURB & RETENTION WALLS

DETAILS OF CURB & RETENTION WALLS

Quantity of

Quantity of

| Sl. No | DESCRIPTION | QTY |
|--------|------------------------------------|--------|
| 1 | Retaining concrete footer for wall | 100 cu |
| 2 | Retaining concrete for wall | 100 cu |
| 3 | Working and backfilling for wall | 100 cu |

| Sl. No | DESCRIPTION | QTY |
|--------|------------------------------------|--------|
| 1 | Retaining concrete footer for wall | 100 cu |
| 2 | Retaining concrete for wall | 100 cu |
| 3 | Working and backfilling for wall | 100 cu |

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TRADE DESCRIPTION

PAID BIDDY REQUIREMENT

REMARKS

| TRADE DESCRIPTION | PAID BIDDY REQUIREMENT | REMARKS |
|-------------------|--|--|
| 12 | PROVIDE COSTING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE COSTING SUBMITTING THE PLAN OF A PLY 12 |
| 1 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 2 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 3 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 4 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 5 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 6 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 7 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 8 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 9 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 10 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 11 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |
| 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 | PROVIDE AND LIGHTING TYPING OF CONCRETE AND BRICK WORKING BRICKING SUBMITTING THE PLAN OF A PLY 12 |

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TELECOM REQUIREMENTS

PULL-WAY REQUIREMENT

| | | | REMARKS |
|--|--|--|---------|
| | <p>11 Providing and being down from 1.5% with steps to double bearing in to panel (reference P-11 04.4) providing cost of steel under 400kg per sqm</p> | <p>11 Providing and being down from 1.5% with steps to double bearing in to panel (reference P-11 04.4) providing cost of steel under 400kg per sqm</p> | 4000 |
| | <p>12 Developing a new surface (B) from case 2.04 10.6.1</p> | <p>12 Developing a new surface (B) from case 2.04 10.6.1</p> | 8000 |
| | <p>13 Providing and being MS Duct 150x150 mm in system 150x150 mm in system of approved design including providing 3 coats of epoxy resin finish (reference P-11 03.1.11)</p> | <p>13 Providing and being MS Duct 150x150 mm in system 150x150 mm in system of approved design including providing 3 coats of epoxy resin finish (reference P-11 03.1.11)</p> | 800 |
| | <p>14 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | <p>14 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | 100 |
| | <p>15 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | <p>15 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | 100 |
| | <p>16 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | <p>16 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | 400 |
| | <p>17 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | <p>17 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | 400 |
| | <p>18 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | <p>18 Providing and being aluminium window glazing assembly of double glazing glass 6 mm thick 670 mm wide with vertical glazing 2.1 x 2.1 m and 2.1 x 2.1 m and horizontal glazing 2.1 x 2.1 m including steel frame and aluminium window glazing assembly with aluminium window glazing assembly to be approved by design (reference P-11 03.1.11)</p> | 400 |

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TECHNICAL DESCRIPTION

RAILWAY PROJECT REPORT

RAILWAY OFFICE

12/11/52

| | | |
|---|---|------------|
| <p>2-1, 111 and 2-6 and 3-101 with glass eye base with rubber ring as per design and diagrams and used for the purpose of the glass eye 1-12-111, 112, 113, 114</p> | <p>2-1, 111 and 2-6 and 3-101 with glass eye base with rubber ring as per design and diagrams and used for the purpose of the glass eye 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>18 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>18 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>20 Structure constructed by hammering of bolts and other drawings etc 1-12-111, 112, 113, 114</p> | <p>20 Structure constructed by hammering of bolts and other drawings etc 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>21 The work done in the design of the glass eye and other drawings etc 1-12-111, 112, 113, 114</p> | <p>21 The work done in the design of the glass eye and other drawings etc 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>22 Filling working and running parts under with machine etc 1-12-111, 112, 113, 114</p> | <p>22 Filling working and running parts under with machine etc 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>23 Design and drawing of the glass eye and other drawings etc 1-12-111, 112, 113, 114</p> | <p>23 Design and drawing of the glass eye and other drawings etc 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>24 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>24 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>100</p> |
| <p>25 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>25 Particulars of work done in the designing and making of the glass eye 1-12-111, 112, 113, 114</p> | <p>100</p> |

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| FINANCIAL REQUIREMENT | | GENERAL OFFER | | REMARKS |
|-----------------------|--|---------------|-----|---------|
| | | | | |
| 25 | Engine, Model 151 500 270 1112 241985 Providing and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |
| 27 | Painting base section, requiring surface and padding of base and a support (150) for the base No. 151 and 152 (151) and a support (151) for the and 152 (151) (112) | 2 | 200 | |
| 28 | Painting base section, requiring surface and padding of base and a support (150) for the base No. 151 and 152 (151) and a support (151) for the and 152 (151) (112) | 2 | 200 | |
| 29 | Painting and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |
| 30 | Painting and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |
| 31 | Painting and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |
| 32 | Painting and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |
| 33 | Painting and being drilled hole in down support to match 151 for a length of 12" (150) mm (12") of 112 241985 | 2 | 200 | |

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THESE RECEIPTS

NATIONAL RECORDS

ORDER NUMBER

REMARKS

| THESE RECEIPTS | | NATIONAL RECORDS | | ORDER NUMBER | | REMARKS | |
|----------------|---|------------------|-----|--------------|---|---------|-----|
| 24 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 24 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |
| 25 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 25 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |
| 26 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 26 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |
| 27 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 27 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |
| 28 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 28 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |
| 29 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 | 29 | Printing and binding of 100 copies of the 1975 Year Book of the IRLI. The work includes 100 copies of 12 pages each, including 100 copies of the 1975 Year Book. The work is being printed and bound by the IRLI. | 4 | 420 |

10/15/75

TOWER DESCRIPTION

SOIL BENCH REQUIREMENT

BRIDGE'S DEPTH

REMARKS

| TOWER DESCRIPTION | SOIL BENCH REQUIREMENT | BRIDGE'S DEPTH | REMARKS |
|-------------------|---|----------------|---------|
| | <p>41</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> <p>42</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> | | |
| | <p>43</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> <p>44</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> | | |
| | <p>45</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> <p>46</p> <p>Soil required for levelled 1:1:1 to 150mm of B25 concrete on 100mm of 40mm sand. The soil should be compacted to 95% Proctor Density. (Refer to Part 4 of the drawing for details)</p> | | |

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Soil...

BID EVALUATION CHECK LIST

Bid evaluation of the tender for the Procurement and Installation of New & Best Forging Machines at Signal Workshops, Lahore.

M/s Arshad Anisud & Anisud PVT LTD.

| Sr. No. | Description | Remarks | S. No. |
|---------|---|---------|--------|
| 1. | Is Registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of FBR? | Yes | 7 |
| 2. | Is Registered with PEC in Category PEC C-4 category? | Yes | 6 |
| 3. | Is deposited Bid Security (CDR)? | Yes | 4 |
| 4. | Is Delivery and completion Schedule confirmed? | Yes | 1 |
| 5. | Are Compliance to the provided Specifications and relevant literature attached? | Yes | 1 |
| 6. | Work completion Certificate attached? | Yes | 1 |
| 7. | Compliance to the Bid Validity Period | Yes | 1 |
| 8. | Letter for confirmation of submission of performance security within 28days after receipt of Letter of Acceptance | Yes | 5 |
| 9. | Is Organization chart attached? | Yes | 9 |
| 10. | Is compliance to the Warranty i.e. 12 Month after supply of equipment and GCC Sub clause 28.5 also defined period in PCC confirmed? | Yes | 2 |
| 11. | Is Letter for provision of After Sale services on expiry of Warranty for 05 years or above attached? | Yes | 5 |
| 12. | Is Literature regarding machines accompany to bid? | Yes | 1 |

BID EVALUATION CRITERIA

BID EVALUATION OF THE TENDER FOR THE PROCUREMENT AND INSTALLATION OF MET & DOLT FORMING MACHINE COMPLETE LINE, AT FEDERAL WORKSHOPS, LAHORE.

M/s Arshad Amjad & Associates LTD.

| Sl. No. | DESCRIPTION | WEIGHTAGE (%) | S.No. | REMARKS |
|--------------|---|---------------|----------|------------|
| 1 | Registered with Income Tax and Sales Tax Departments and also are on Active Registers List of FBR | Compulsory | 7 | 100% |
| 2 | Registered with PTC in Category PEC C-4 category | Compulsory | 6 | 100% |
| 3 | Bid Security (CBR) | Compulsory | 4 | 100% |
| 4 | Deviates and exempt on Schedule | Compulsory | 1 | 100% |
| 5 | Compliance to the previous specifications | Compulsory | 1 | 100% |
| 6 | Work experience in similar equivalent nature of lot | 10 | 10 | 10 |
| 7 | Compliance to the Bid Validity Period | Compulsory | 1 | 100% |
| 8 | Letter for confirmation of acceptance or performance security within 28 days after receipt of Letter of Acceptance | Compulsory | 1 | 100% |
| 9 | Implementation plan for, a) Procurement of Goods from source b) Transportation of Goods from Source to destination (Works Shop) c) Staff to deal with contractual and other related matters with Purchaser (Factory railway) i. Unemployed Engineer ii. Certified Diploma Holder & Maintainer/ Technician. | 20 | 3 | 20 |
| 10 | Compliance to the Warranty i.e. 15 Month after supply of equipment and O&M for above 24 months defined period in PCC | Compulsory | 1 | 100% |
| 11 | Letter for provision of After Sale services to cover of Warranty for 15 years or more | 20 | 3 | 20 |
| 12 | Registered with SECP Age of Company Above 10 Years = 10 Marks Above 05 Years = 05 Marks Below 05 Years = 0 | 15 | 8 | 15 |
| 13 | Past Experience with Pakistan Railways (15 & above certificates) = 10 Marks (05 & above certificates) = 07 Marks (01 & above certificates) = 05 Marks | 10 | 11 | 10 |
| 14 | Past Experience with Pakistan Railways Completion of Contracts average last 3 years I. Above Rs. 250M/Year = 20 II. Above Rs. 150M/Year = 10 III. Below Rs. 150M/Year = 0 | 20 | 11 | 10 |
| 15 | Manufacture Supplier Authorization Certificate | 10 | 3 | 10 |
| TOTAL | | 100 | - | 100 |

As per FPRR rule 21 (7) above bid evaluation criteria must be filled failing which the technical offer will be rejected.

Signature with Sign & Stamp