

ANNEXURE C3.2 SCOPE OF WORKS

DESCRIPTION

The work entails the repairs of the Main Pump Plinth, which was damaged upon the removal of the pumps. The repairs are to be done on Main Pump 21 (1st and 2nd stage).

Main Pump 21

Main Pump 21 2nd Stage shall be repaired as follows:

- Remove the soleplate to allow space for breaking the concrete.
 - The sole plate can easily be unscrewed from the bolts and lifted.
- Break the edge of the plinth.
 - (1000mm x 500mm x 310 depth)
- Remove concrete from existing reinforcement and clean with a wire brush.
- Dowel in reinforcement bars (Y16 straight bars) to a depth of 150mm at 200mm centres.
 - The total weight of the steel required is 26.69 Kg.
 - (3 x 1m) bars and (3 x 0.42m) bars
- Fix reinforcement bars in place with epoxy (SikaAnchorfix 3030 or equivalent) as per the manufacturer's specification.
- Concrete cover over the bars should be 40mm.
- Install shutters and cast 30MPa concrete.
- Before casting concrete, ensure that the shutters are oiled, and that the existing concrete is free of dust or grease/oil.
- Concrete shall be cast such that the existing level is maintained for alignment purposes.
- Allow concrete to cure sufficiently, before reinstalling the soleplate.
 - The soleplates shall only be installed upon approval of the concrete works by the client's representative.
- Install and align existing soleplates as per the required level.
 - There are to be no gaps between the soleplate and the concrete to avoid over-vibration of the pumps.

Main Pump 21 1st Stage shall be repaired as follows:

- Chip the existing grout to a thickness of 100 mm or until a solid grout surface is reached.

- Drawings are attached for the dimensions of the grouted area.
- The soleplates are not to be removed, however, if movement occurs, they shall be realigned according to the existing level.
- Before applying the grout, ensure that the shutters are oiled, and that the existing grout/concrete surface is free of dust or grease/oil.
- Apply grout (SikaGrout 212SR or equivalent) under and around the sole plates as per the supplied drawings.
- The contractor shall:
 - Be responsible for discarding any rubble from the works.
 - Supply the client with the concrete strength results.
 - Execute the works in a manner that will not damage the sole plates, beams, or anything else in the Engine Room.
 - Compile and submit a safety file with a risk assessment, these shall be submitted to the client before the commencement of works.

Note:

A high-strength, non-shrinkage grout shall be used, and the below information must be considered when selecting the grout.

LOAD ON FOUNDATION	
Booster Pump with Coupling	13 068 Kg
Motor for Booster Pump	23 368 Kg

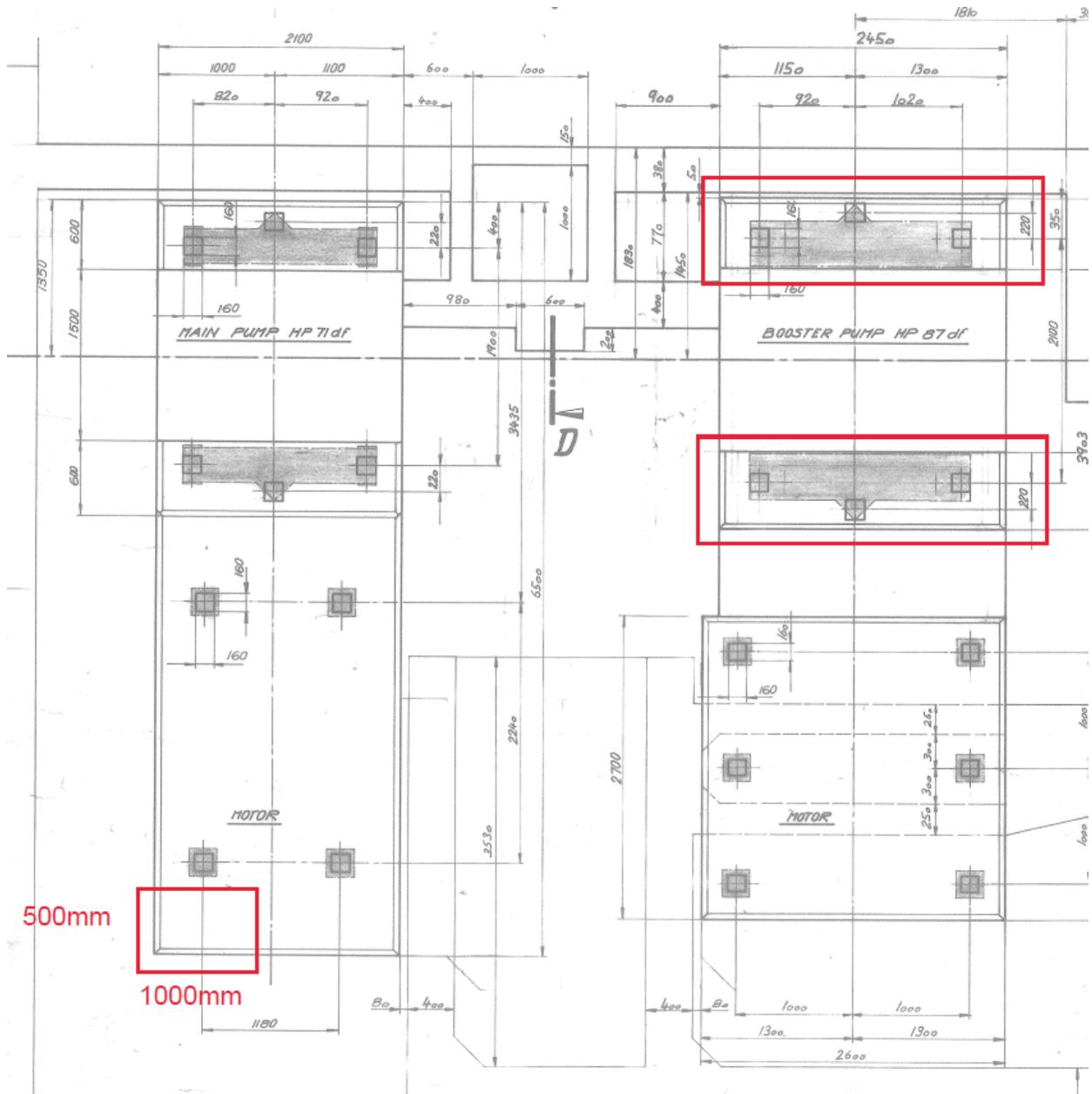
The noise level in the Engine Room is 94dBA, therefore hearing protection must be provided for all employees working in the engine room.

DRAWING REFERENCES

MP21 2nd stage: **Drawing No: GO-1972**
SECTION B-B

MP21 1st stage: **Drawing No: GO-1972**
SECTION C-C

The affected areas are marked red in on the below drawing.



PHOTOGRAPHS

Main Pump 21 – 2nd Stage



Main Pump 21 – 1st Stage



ANNEXURE C2.2: PRICING SCHEDULE

The Supplier must complete the following pricing schedule:

	MILESTONES / LINE ITEMS	MINIMUM THRESHOLD FOR LOCAL CONTENT	TIMEFRAME <i>(where applicable)</i>	UNIT PRICE <i>(where applicable)</i>	QUANTITY <i>(where applicable)</i>	COSTING
1.	Breaking Concrete and Dowelling	N/A			1	
2.	Casting Concrete	N/A			1	
3.	Preparation of Surface for Grouting	N/A			1	
4.	Casting Grout	N/A			1	
5.	Safety File	N/A			1	
TOTAL						
VAT						
TOTAL [VAT INCLUDED]						

Name of Bidder: _____

Signed by or on behalf of Bidder: _____

Official Capacity: _____

Date: _____

ANNEXURE C4: SITE INFORMATION

RAND WATER ZUIKERBOSCH

Vischagat Road, Three Rivers East

Vereeniging, 1939

GPS Coordinates: S 26° 41.520 and E 28° 00.061

Potential Bidders who wish to attend the site visit must ensure that they abide with the below requirements.

THE IMPORTANCE OF WEARING PPE

Everyone accessing the plant will be expected to wear safety shoes, failure to which no access will be granted.

THE IMPORTANCE OF CARRYING YOUR DRIVER'S LICENSE

Everyone accessing the site using personal or company vehicles is requested to always carry their valid driver's license.

VALID CAR DISCS ARE ESSENTIAL

Every company or personal vehicle accessing the site must have a valid car disc. The biometric system will scan and cross-reference these discs to ensure compliance with local regulations. Failure to have a valid car disc may result in the vehicle being refused entry.

DATA SECURITY

The site complies with the principle of Personal Access to Information Act (PAIA) and as such all data collected will be treated with the utmost confidentiality and used solely for security and access control purposes.