**BILL OF QUANTITIES**

**WORK NO. 54**

Description and rates of items based on Non-composite schedule of rates.

**R/M of vehicle No= WL- 06 Liugong (Wheel loader) Solid waste deptt D.M.C.**

**Malir.**

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| --- | --- | --- | --- | --- | --- |
| **S.No** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |

1. Dismantling and opening/ fitting the engine, radiator assy, gear box, diesel pump etc and re-fitting the engine required parts after the mechanic work i/c re-fitting the gear box etc and start, setting the engine complete as req. 01 Job OPEN RATE

02) Mechanic work the req parts i/c facing, polishing the head, valve, valve guide, valve seat, sleeves re-moving and new fitting w/ compressor polishing the same, main line checking & throwing, came shaft setting, main & bigen peace fitting and polishing, crank shaft setting, oil pump repairing & setting, complete as and when req. 01 Job OPEN RATE

03) P/F Genuine Piston complete as and when req. 01 Job OPEN RATE

04) P/F Piston sleeves complete as and when req. 01 Job OPEN RATE

05) P/F Genuine ring as and when req. 01 Job OPEN RATE

06) P/F Genuine Main & Begun peace as and when req. 01 Job OPEN RATE

07) P/F Genuine Valve as and when req. 01 Job OPEN RATE

08) P/F Valve Guide as and when req. 01 Job OPEN RATE

09) P/F Thrust Caller Washer as and when req. 01 Job OPEN RATE

10) P/F Connecting rod bushes as and when req. 01 Job OPEN RATE

11) P/F Came Bushes as and when req. 01 Job OPEN RATE

12) P/F Gasket as and when req. 01 Job OPEN RATE

13) P/F Complete packing kit as and when req. 01 Job OPEN RATE

14) P/F Main oil seal as and when req. 01 Job OPEN RATE

15) P/F Timing oil seal as and when req. 01 Job OPEN RATE

16) P/F Other req nut bolt pertains to engine fitting as and when req. 01 Job OPEN RATE

17) P/F Fan belt as and when req. 01 Job OPEN RATE

18) Oil Pump R/by means P/ complete repair kit include the labor charges as and when req. 01 Job OPEN RATE

19) P/F Radiator complete w/ top+ bottom as and when req. 01 Job OPEN RATE

20) P/F Hose pipe (Upper) as and when req. 01 Job OPEN RATE

21) P/F Hose pipe (Lower) as and when req. 01 Job OPEN RATE

22) Repair /Maintenance of diesel pump by means opening, repairing and refitting the same as required, the work includes the cost of replacing pump seal kit and pump packing kit as and when req. 01 Job OPEN RATE

23) P/F Diesel pump nozzle as and when req. 01 Job OPEN RATE

24) P/F Atomizer bushes as and when req. 01 Job OPEN RATE

25) Atomizer service/setting & adjusting as and when req. 01 Job OPEN RATE

26) Dismantling the diesel tank, complete washing, cleaning & re-fitting the same as and when req. 01 Job OPEN RATE

27) P/F Water body assembly w/packing kit as and when req. 01 Job OPEN RATE

28) P/ Oil Filter as and when req. 02 Job OPEN RATE

29) P/ Diesel Filter as and when req. 02 Job OPEN RATE

30) P/ Air Cleaner Filter as and when req. 01 Job OPEN RATE

31) P/ Water separator filter as and when req. 01 Job OPEN RATE

32) Repair /Maintenance of turbo pump by means opening, repairing and refitting

the same as required, the work includes the cost of replacing pump seal kit and pump packing kit & Other req parts of turbo pump as and when req. 01 Job OPEN RATE

33) P/F Complete new silencer assy as and when req. 01 Job OPEN RATE

34) P/F Complete new air cleaner assy as and when req. 01 Job OPEN RATE

35) Repair of transmission pump by means opening the pump, replacing the oil seal & full pump kit and then refitting the same as and when req. 01 Job OPEN RATE

36) P/F driving shaft complete as and when req. 01 Job OPEN RATE

37) Repair of steering jack by means opening the jack replacing oil seal, jack pistons, check nut new making and re-fitting the same as and when req. 01 Job OPEN RATE

38) Repair of hydraulic jack by means opening the jack replacing oil seal, jack pistons, check nut new making and re-fitting the same as and when req. 03 Job OPEN RATE

39) Complete new wiring work to be completed with the following specification and components as and when req complete in all respect.

a) P/F completes new wiring on standards medium of heavy vehicles specification as per instruction of engineer in charge.

b) P/F Ignition switch.

c) P/F Light control switches.

d) P/F relay & cut outs.

e) P/F L.T wires, wiring tape.

f) P/F Fuse box complete w/ fuses. 01 Job OPEN RATE

40) P/F Heads light 24 Volt as and when req. 04 Job OPEN RATE

41) Servicing / greasing of wheel by means opening the wheel drums greasing / servicing, bleeding of brake fitting & setting adjusting the brake shoe as and when req. 04 Job OPEN RATE

42) P/F Wheel oil seal front side as and when req. 02 Job OPEN RATE

43) P/F Wheel oil seal rear side as and when req. 02 Job OPEN RATE

44) P/F Boots, lock pin, cater pin, spring as and when req. 01 Job OPEN RATE

45) P/F Grease as and when req. 08 Kg OPEN RATE

46) Repair of self by means of opening the self replacing startor, armature, carbon, armature bushes, bearing, bushes soldering and refitting the same as and when req. 01 Job OPEN RATE

47) Repair of generator by means of opening the generator replacing starter, rectifier, armature carbons, armature bushes, bearing, bushes soldering and refitting the same as and when req. 01 Job OPEN RATE

48) P/F Battery wire best quality as and when req. 20 FT’ OPEN RATE

49) P/F Battery terminal best quality as and when req. 06 Nos OPEN RATE

50) P/F 100 AH Battery with charging etc complete Exide as and when req. 02 Nos OPEN RATE

51) P/F Tyre+ Tube size 23-5-25 (China make) as and when req. 04 Nos OPEN RATE

**ASSISTANT EXECUTING ENGINEER (M&E)**

**DMC MALIR KARACHI**

I / We hereby quote the amount of Rs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on Non-CSR / Open Rates. I / We agree to sign the same as and when rates quoted by me / us are approved.

In words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contractor’s signature. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of firm & Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Telephone / mobile no: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_