

## **Scope of Work**

Sub:- Labours oriented work for operation and maintenance of LPG plant, Metal Cutting Gas (MCG) plant, acetylene plant, air compressor plant and other auxiliaries.

<b>Description of Work</b>	
<b>1.0</b>	<b>Daily Activities</b>
1.1	Shifting 25-30 gas cylinders as per instructions in oxygen cylinder filling & testing area.
1.2	Helping in maintenance activities of LPG plant, acetylene plant, MCG plant, air compressor plant, Swarna Jayanti Block air compressors, packing section air compressors and LPG plant's fire fighting system.
1.3	Shifting carbide drums from carbide store to acetylene plant and emptying them in hoist skip.
1.4	Cleaning of oil from floor and filling of drained oil into drums from the collection pit in compressor house.
1.5	Helping in maintenance activities of gas distribution pipelines of LPG, oxygen, nitrogen, acetylene, MCG and compressed air inside GPX.
<b>2.0</b>	<b>Weekly Activities</b>
2.1	Checking of LPG, MCG and Acetylene leakage throughout the plant.
2.2	Disposal of empty carbide drums and cleaning of sludge trenches in acetylene plant, as per instructions.
2.3	Helping in periodic hydraulic testing of gas cylinders.
2.4	Maintenance of cooling tower, water pump filter cleaning and auto drain cleaning of receivers.
<b>3.0</b>	<b>Monthly Activities</b>
3.1	Cleaning of Acetylene generator, water tank, and helping in preventive maintenance of water pumps. Handling of filled and empty MCG cylinders twice a month.
3.2	Dismantling, cleaning and fitting of vaporiser solenoid valve, decanting line sight glass and decanting compressor valves. MCG regulators & solenoid valves.
3.3	Preventive maintenance of cylinder testing facility and annealing of oxygen filling tubes.
3.4	Helping in testing of safety valves, hoses & other equipment.
3.5	Cleaning of air suction filters & preventive maintenance of air compressors.
<b>Note:-</b> After completion of the above activities if there is any spare time, the contractor shall deploy his workers for general upkeep of the plant and surrounding areas to keep them free from undesirable items and vegetations.	

### **Special conditions :-**

1. All the activities are inter-related and hence, all the activities shall be done by one contractor only and they will not be awarded to different contractors.
2. Contractor shall ensure completion of activities in time as per scope of work and shall deploy adequate man power. As per the work involve & our past experience 5 man days will be required daily throughout the year to perform the work satisfactorily in time.
3. Manpower will report to plant supervisor at 7:00 am. The labour will work strictly, as per directions/guidance of concern plant supervisor/engineer.
4. Working hours will be 7 am to 4 pm. The manpower will have to work after 4 pm also, if the work is not completed by 4 pm.
5. The contractor shall strictly instruct his worker for safe working in hazardous area and provide the required personal protective equipment to his manpower.
6. The contractor must depute medically fit manpower and produce the fitness certificate within 1 month from the start of work and also get their police verification as per BHEL norms.
7. The contractor shall ensure payment of wages through bank as recommended by BHEL time to time. If payment through bank is not possible then he takes prior approval from department HOD after recording the reason so.
8. If work is not found satisfactory, remaining work will be awarded to any other suitable agency at risk and cost of contractor.
9. The general terms and conditions prevailing for civil works in BHEL, Bhopal will be applicable and binding on this contract.

(S. Raghuwanshi)