

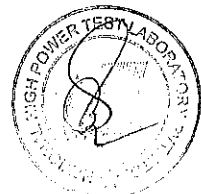
SCOPE OF WORK

- 1.1 The scope of work for "Construction & Fabrication of two numbers of rolling motorized shutter at NHPTL lab situated at POWERGRID Substation, Khimlasa Road, Tehsil-Bina, Dist. – Sagar, (M.P).
- 1.2 Construction & Fabrication of two numbers of rolling motorized shutter of size 20ft by 20ft and 20ft by 12ft respectively, as per drawing enclosed as Annexure – A with this document.
- 1.3 Rolling shutter shall mount and placed on MS I beam of size 150mm x 75mm x 8mm of shed.
- 1.4 Shed structure is already erected.it is executing agency responsibility to install rolling shutter on existing shed structure , in case any addition iron section required for shaft or channel shall be provided by NHPTL but fixing , welding is in their scope including any consumables.'
- 1.5 It is advised agency must visit site before submitting the tender bid.

General Technical Specification of Motorized Rolling shutter

1. GI based rolling shutter is required.
2. Shutter curtain shall be built up from interlocking sections. The sections shall be from 21 gauge section for curtains.
3. Hood cover shall be made of suitable heavy duty mild steel construction of appropriate thickness.
4. Guide channel shall be of mild steel deep channel section of rolled, pressed or built up (fabricated) construction. The thickness of the sheet should be of suitable heavy duty mild steel construction of appropriate thickness.
5. The Lock Plate provided at the bottom of the shutter shall be composed of a mild steel plate construction of appropriate thickness with appropriate mild steel angle at bottom of the plate. Lock plate must be properly sealed the curtain to stop the entry of any rodent, snake etc. via shutter.
6. Motorized shutter mechanism shall be with following feature:
 - i) Gearbox with drive motor and gear mechanism complete in all respect.
 - ii) Manual shutter operation with handle required for emergency operation in absence of electric power.
 - iii) The shutter shall be motorized with all required materials including motor and electrical control panel/push bottom mechanism suitable for long term and frequent operations. The motor shall be of suitable rating.
7. Opening direction vertical.
8. Rolling shutter finish shall be galvanized or powder coated on both sides.
9. One set of each type motor with gearbox mechanism shall be quoted as spare supply.
10. All the items required by the agency for proper installation of rolling shutter shall be in the scope of agency.

Note: 1 electric point connection facility shall be provided by NHPTL at each shutter location. However power point to be 3phase or single phase with rating as required shall have to be specified by the agency in their offer.



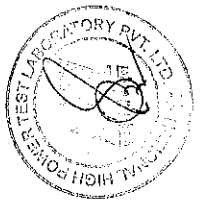
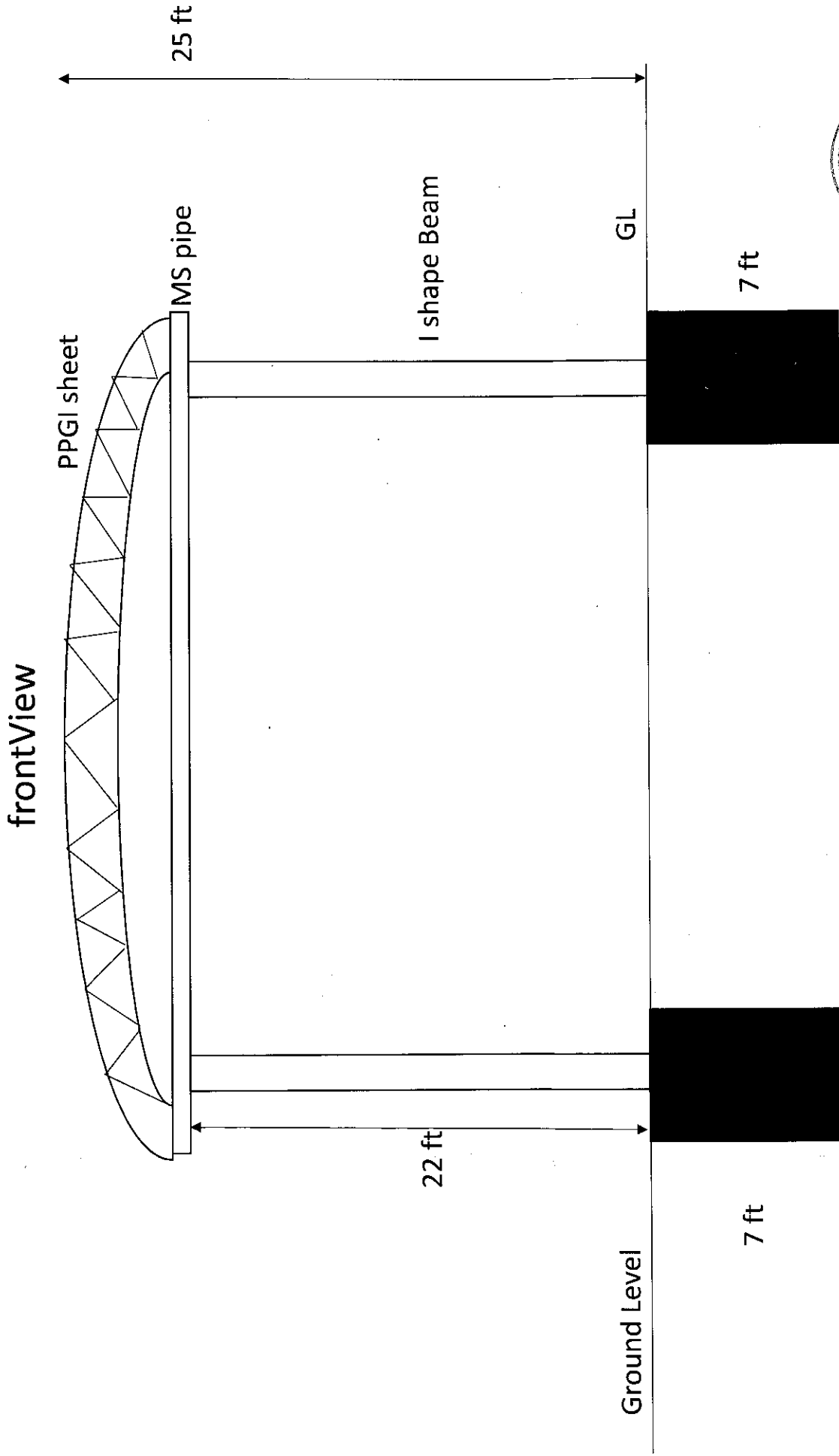
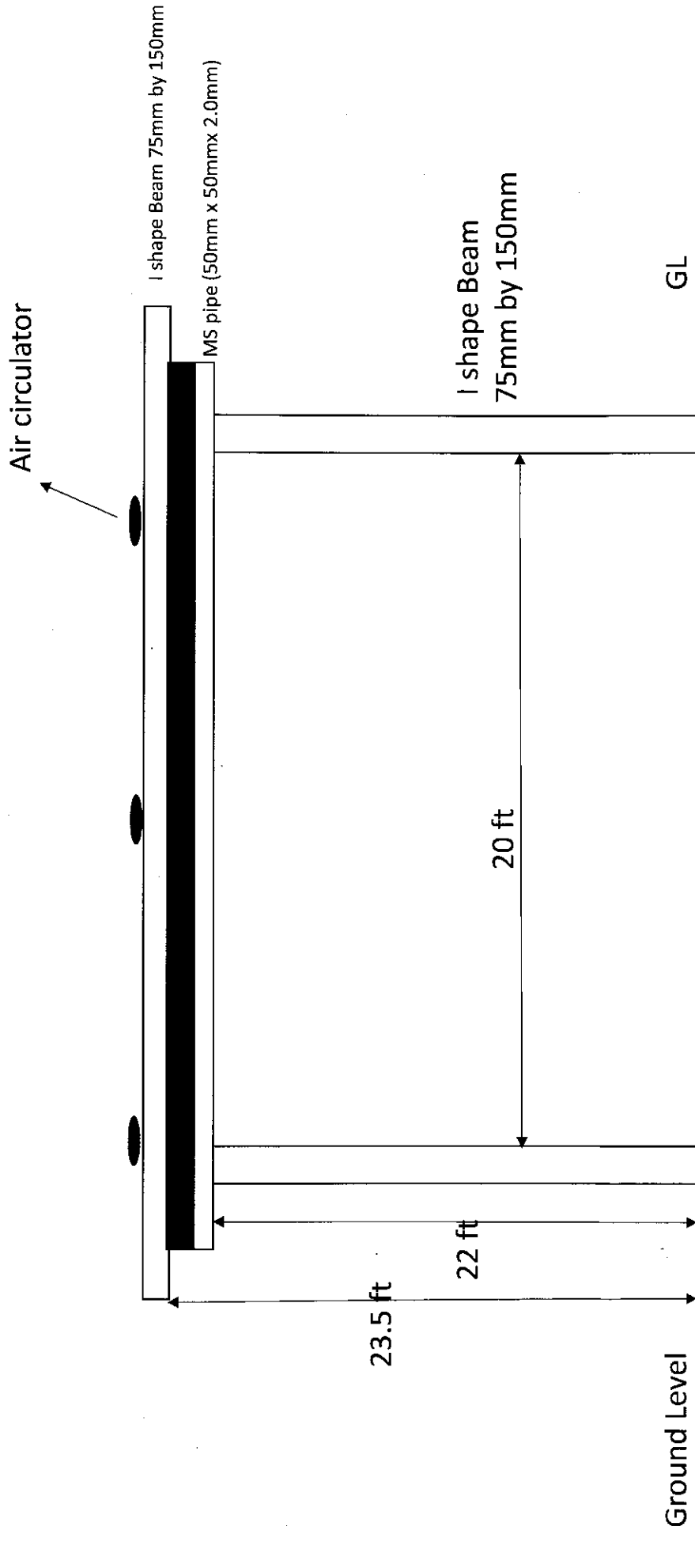
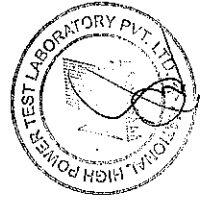


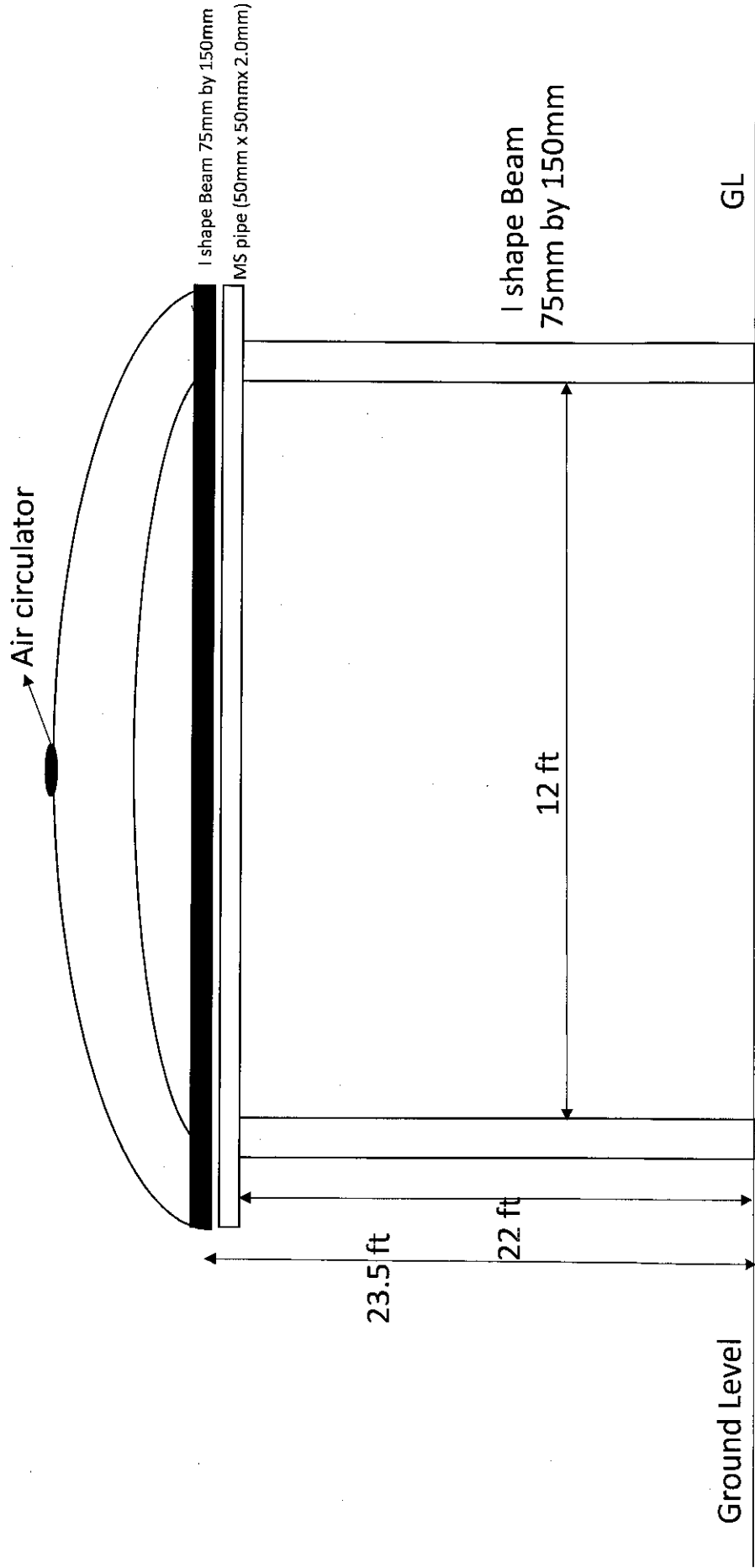
Fig. 1 of 3



Front view

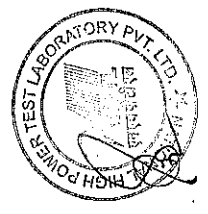
Rolling Shutter Size 20ft by 20ft





Front view

Rolling Shutter Size 20 ft by 12ft

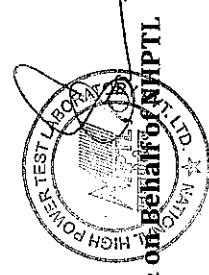


Bill of Material (BOM)/Schedule of Price (SOR) for "Supply & Installation of Rolling Shutter"

Sr. No.	ITEM DESCRIPTION	unit	QTY	Amount (Rs.)	Remarks (If any)
1	Supply & Installation of GI motorised Shutter with size 20 ft height x 20 ft width as per specification	Nos.	1		
2	Supply & Installation GI motorised Shutter with size 20 ft height x 12 ft width as per specification	Nos.	1		
3	Supply of One Set of each type motor as specified in technical specification	Set	1		
4	Freight/Transportation Charges for above materials including packing, forwarding, insurance in all respect. Unloading at site will be in the scope of NHPTL	LUMSUM	1		
Total Price of above excluding GST in Figure					
Total Price of above excluding GST in Word					

Note:

- i) Evaluation shall be done on the basis of Lumpsum Price + Freight charges quoted for the above items.
- ii) The price of such item(s) against which Bidder has not quoted rates / amount against freight or transportation upto NHPTL, Bina (viz., items left blank or against which '-' / 'NIL' / 'NA' is indicated) in the price schedule will be deemed to have been included in price quoted on lumpsum basis.
- iii) GST shall be excluded in above quoted price and shall be paid extra at actual.



Contractor/Agency's Name, Sign & Seal

