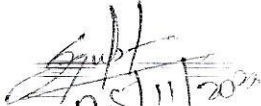




 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION PART-I FOR EV Charger Canopy & Installation	SPECIFICATION NO. EM-EV CHARGER-GTS-00	
	BPCL	Rev. No	00
		Date	05.11.2022

GENERAL TECHNICAL SPECIFICATIONS

 Shiwani Gupta	 S Chandrashekar
PREPARED BY	APPROVED BY

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SECTION 1 – SCOPE OF ENQUIRY

1. This Specification covers the scope of work for EV Chrager.
2. The tenderer shall be responsible for and governed by all requirements stipulated herein after.
3. **Deviation**, if any should be brought out very clearly on deviation sheet. Otherwise it would be presumed that the tender offer is in line with what has been stated/asked for in this specification.
4. The offer should be complete with technical data, scope of work ,material details and drawings, as applicable.
5. The bid shall be in English language and MKS system of unit.

SECTION 2 – GENERAL CONDITIONS


1. SCOPE OF SUPPLY

Foundation size & height : 1000 X 1000 X 300

EV charger panel size (LWH) 800 X 800 X 1600mm, weight 200 kg approx. Protection : IP54.
(BHEL Supply)

The scope of supply shall be as per below mentioned details :

- a). Design, supply, erection and installation of Canopy along with associated civil works.
- b). Signage display on canopy (Matter will be given by BHEL during order placement)
- c). The Unloading of Charger Panel at Site.(If required)
- d). Placement and Erection/ Installation of Panel over the Foundation, which has been already built by the Customer, Civil Foundation is not in BHEL/Vendor scope.(If required)
- e). Terminal electrical cable connections at Charger Panel.
- f). Commissioning of Charger Panel and Testing subsequently.
- g) Handing Over of EV Charger along with Canopy to the Site Head of Customer for the successful operation of the equipment.
- h). Any additional work required to Erect & commission the EV Charger successfully.

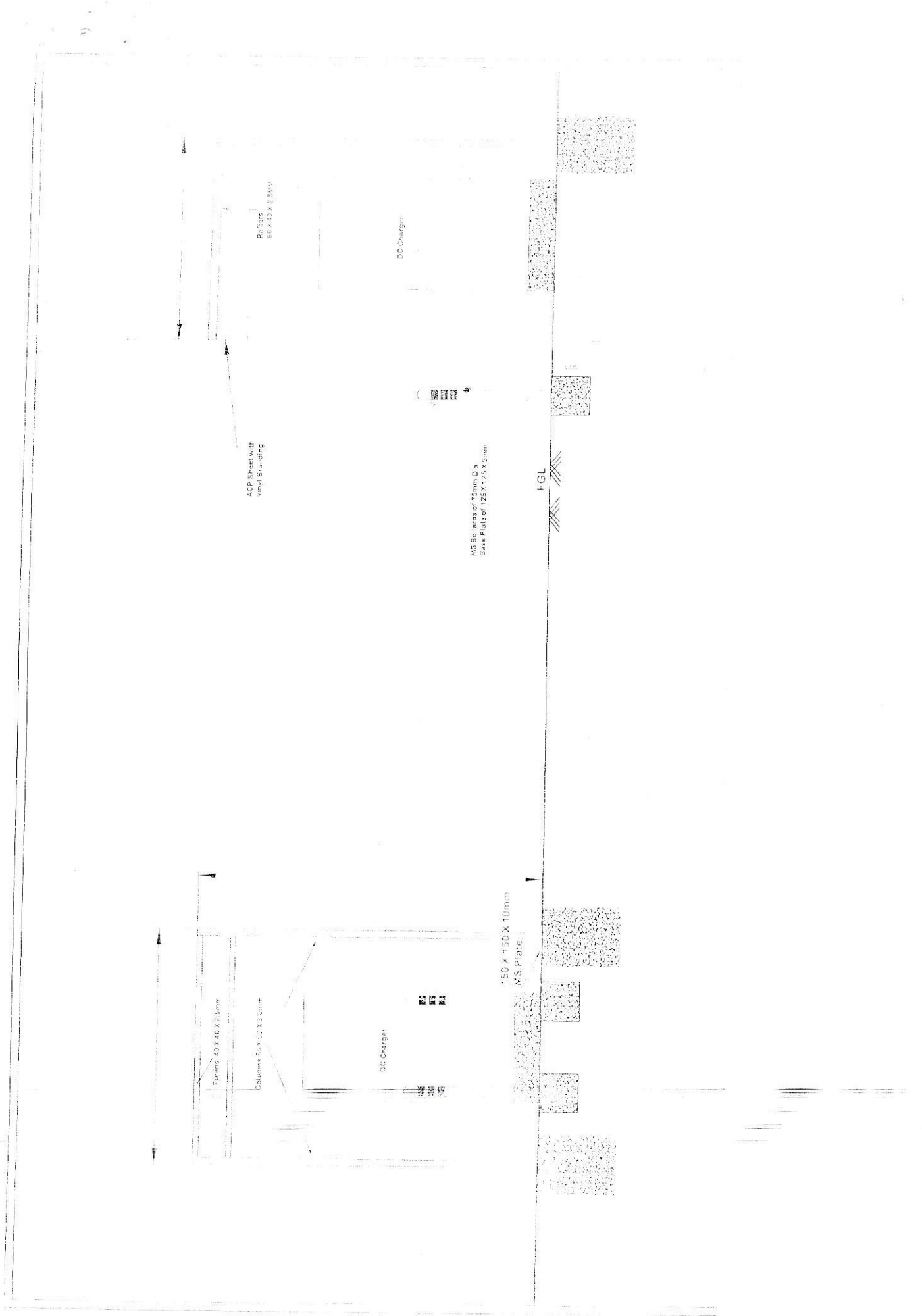
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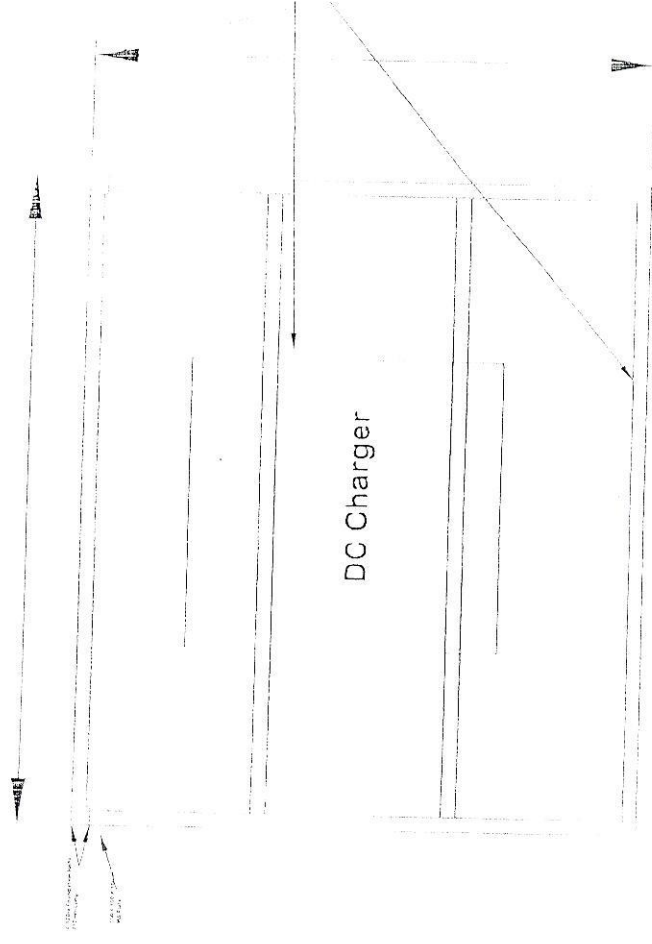
2. Underground OR Overhead Cable Laying is in customer scope. Cable termination is in Vendor's scope. Necessary lugs for termination with sleeves, crimping, hardware required for termination etc. are in BHEL scope.
3. While quoting Bidder shall have to furnish unit rate for each item. Purchaser reserves the rights to add/delete quantity of any item during detailed engineering as finally required for the project. Unit rate quoted shall be applicable for price adjustment in such cases.

4. DELIVERY

The delivery period shall be completed as per NIT (Notice Inviting Tender)

Note: Sketches of canopy attached for information purposes only. Dimension to be decided by the vendor for adequate protection of the panel.





Purlins
40 X 40 X 2.0mm

DC Charger



MS Bollards of 75mm Dia
Base Plate of 125 X 125 X 5mm

ANNEXURE - I

PROJECT: BPCL					
EV CHARGING (LWH) 800x800x1600mm ,weight 200 kg approx. Protection : IP54					
CANOPY SIZE :1.8 X 1.5 X 3 Mtr					
SR.NO.	DESCRIPTION	SIZE/GRADE	UOM	Bidder Qty in mentioned UOM	Remark if any
1	FOUNDATION & CONCRETE	FE500 STEEL GRADE & M20 STRENGTH	CU/MTR.		
2	COLUMNS (POWDER COATED)	As Per requirement	RMT		
3	BASE PLATES (POWDER COATED)	As Per requirement	RMT		
4	RAFTERS (BLACK PAINTING)	As Per requirement	RMT		
5	PURLINES (BLACK PAINTING)	As Per requirement	RMT		
6	ACP SHEETS WITH ALL SIDES COVERNING	EUROBOND or any reputed make 3MM, FIRE B1 GRADE, 15 YEARS COLOUR FADE	SQ.FT		
7	ACP signage board (Front side and both side boards) branding will be in Vinyl Print.(Content will be provided after award of WO)	As Per requirement	SQFT		
8	BASE PLATE WITH ANCHOR FASTENER (M12)	As Per requirement	NOS		
9	MS Bollards with necessary Foundation and Base plates if required.	As Per requirement	CU/MTR.		
10	Termination, commissioning and Testing of Charger	As Per requirement			
11	Unloading and Erection & commissioning of Charger Panel at site Max : 250kg	As Per requirement			