

SIC/HO/WD-EM/GS-HO/1(7) 07-08

Dated: 7th September 2009

To,

M/s. \_\_\_\_\_

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**Sub: - Supply and installation of AMF Panel of 500 KVA capacity at NSIC H.O. Okhla, N.D.**

Dear Sir,

Sealed quotations are hereby invited for the above-mentioned work at NSIC, Okhla, New Delhi – 110020 as per the following terms and conditions: -

1. Tenderer shall submit their offers in sealed covers, super scribed as “**Quotation for Supply and installation of AMF Panel of 500 KVA capacity**” *Enquiry No and Due Date*, addressed to the **Chief General Manager (Works)** should reach this office on or before 14.09.2009 upto 3.00 P.M. The offers will be opened on same day at 3.30 PM. Quotations received after due date will not be considered
2. The tenderer shall take into account basic price, cost of labour, T & P, taxes as applicable, conveyance / cartage etc. before quoting the rates. No extra claim what so ever in this regard shall be entertained.
3. The validity of quotation should be 30 days from the last date of submission of tenders.
4. The CGM (Works) reserves the right to accept or reject any or all the quotations without assigning any reason.
5. The payment shall be released by cheque on satisfactory completion of work in all respect on actual measurement basis. All the statutory deductions as applicable shall be made from the payable amount.
6. The contractor may inspect the site before submitting their quotations during office hours on any working day.
7. Quantities mentioned in the schedule of quantity are tentative and may increase or decrease as per requirements.
8. Contractor is requested to quote the rates in the enclosed “**Schedule of Quantities**” only.
9. All the items of approved make should only be installed in AMF Panel.
10. You are requested to quote your rates in enclosed Performa at ANNEXURE “A”.

Thanking you,

Yours Truly,

**CM (Works)**  
**Works division**  
**NSIC Ltd, New Delhi**

**SCHEDULE OF QUANTITIES**

S. No	Description of work				AMOUNT (Rs.)
1.	Supply of AMF panel with components and specification given as				
	Item	Rating	Size.	QTY.	
a.	V,A,F (Digital) Make: Trinity	0-500V	96 mm.	1 No	
b.	KW,PF,KWH Meter (Digital), Make: Trinity	3 ph 4W	96 mm.	1 No	
c.	Mains Voltage Monitor, make: PIC/CSPC	415 V	.....	1 No	
d.	DG Voltage Monitor, make: PIC/CSPC	415 V	.....	1 No	
e.	AC Timer, make: PIC/CSPC	230 V	.....	05 Nos	
f.	DC Timer, make: PIC/CSPC	24 V	.....	1 No	
g.	Aux. Contactor, make: Schneider/ABB/L&T.	220/24V	.....	1 Set	
h.	S.C.R Controlled battery charger. Make: Schneider/CEC/MM Control MCB Make: Schneider/CEC/ABB	26.8V, 8A 4/16A	.....	1 No. 12 Nos	
i.	Current transformer make: AE/ Kappa	800/5	.....	03 Nos	
j.	ACB 4 Pole EDO for DG Make: AE/Kappa/Schneider/ABB/L&T.	800A	.....	1 No	
k.	ACB 4 Pole EDO for Mains Make: AE/Kappa/Schneider/ABB/L&T.	800A	.....	1 No	
l.	Over load relay Make: AE/Kappa/Schneider/ABB/L&T.	Suitable rating	.....	1 No	
m.	Auto off run SL. SW. Make: Selzer	10A	.....	1 No	
n.	Indication lamps make: Schneider/L&T.	220V	22.5 mm	10 Nos.	
o.	TPN AL. BUS BAR Make: electrolyte grade al.	1000 A	.....	1 Set	
2.	De-installation of old AMF Panel and with all its incomer and out going cables, restreching of old cable etc.				
3.	Making of foundation of above mentioned AMF Panel.				
4.	Installation of above mentioned new AMF panel along with terminology and thumbing of all Aluminium Ar. Cable for connection of AMF Panel.				
5.	Vat/ taxes				
	G. Total Rs.				

**T o t a l i n w o r d s : -**

(Rupees \_\_\_\_\_)

(Signature of authorized representative  
of tendered along with the stamp)

**CM (Works)  
Works division  
NSIC Ltd, New Delhi**

## **Logic of AMF Panel**

1. When main is healthy, the Mains ACB should be ON.
2. When Main supply is unhealthy i.e. phase failure, under voltage and no voltage.
  - i) The mains ACB Should trip.
  - ii) The DG should start automatically, the develop the voltage; connect sthe DG Breaker to load.
3. When the mains is restored, the relay should monitor the ma ins healthy for minutes. Disconnect the DG Supply and connect the mains ACB ON.

The DG should stop after 2 minutes (cool off time) and should go on stand by mode again.