

TENDER  
FOR

SUPPLY, INSTALLATION, TESTING &  
COMMISSIONING OF DIESEL GENERATOR,  
SECRETARIAT, CAPITOL COMPLEX  
NAYA RAIPUR, CHHATTISGARH

VOLUME III

PRICE BID

(To Be Submitted With Envelope # 2)

NOVEMBER 2009

Tender No.\_\_\_\_/CEO/NRDA/2009-10

SUMMARY OF TOTAL PRICES		
SECTION NO	DESCRIPTION OF WORK	AMOUNT (Rs.)
1	DIESEL GENERATOR SETS	
GRAND TOTAL		
AMOUNT IN WORDS :		
SIGNATURE AND STAMP OF THE TENDERER		

<b>BILL OF QUANTITIES - D.G. SET - SUPPLY / INSTALLATION / TESTING / COMMISSIONING.</b>					
All items of BOQ shall be read in conjunction with the technical specifications. Rates shall be including all necessary taxes.					
Sr.No.	Description	Qty	Unit	Rate	Amount
<b>SECTION - 1.0 DIESEL GENERATOR SETS SUPPLY</b>					
	This includes the scope of preparation of drawings, supply, installation, testing and commissioning of equipments as listed below. The equipment shall be supplied from factory, unloaded from transport shifted to store if required, reshifted to installation location etc complete. All necessary cost for supervisor - lodging / boarding / per diem charges etc. shall be included in the rates. Charges for factory inspection of goods prior to dispatch for three persons (lodging / boarding from port of residence / hotel stay / local conveyance) shall be included in the offer.				
1.1	Supply, installation, testing and commissioning of D.G. set of 1010KVA with acoustic enclosure, fuel piping, standard fuel tank, D.G. control panel, residential silencer, standard exhaust piping complete. The scope shall cover unloading / loading / transportation / transit insurance / shifting to final location of installation at site (ground floor withing building) etc complete. First fill of lube oil and battery charging shall be included in the scope. Necessary adaptor boxes for termination of power cabling / busduct by electrical contractor into D.G. set shall be provided. The cost quoted shall be including annual maintenance charges and operator charges as described in AMC / operator clause of the tender.	5	sets		
<b>Rate in words</b>					
1.2	Supply, installation, testing and commissioning of Auto synchronising and load sharing panel with auto start for all D.G. sets including 5 nos incoming ACB with static releases of 1600A with load manager with RS 485 port; 3 nos buscouplers of 2400A ACB minimum and out going 2 nos outgoing ACB with static releases of 3200A, 1 nos outgoing ACB with static releases of 2000A and 1 nos outgoing ACB with static releases of 1600A. In all there shall be total 11 breakers in the panel with static relases and all incoming and outgoing breakers shall have load manager with RS 485 port / indicating lamps / cast resin CT / on off lamps / emergency stop push button and busbar shall be of copper with current ratio of 1 sq mm = 1.2 Amps. The synchronising relay shall be with communicable port and all parameters of D.G. set shall be transferred to bms if desired by client. Necessary PLC for taking signal from 4 nos breakers and 1 nos buscoupler of clients panel and giving appropriate signal to D.G. set panel breakers and d.g. start / stop shall be included in the panel.  All control wiring from PLC to breakers for client ( max 300 mtrs) shall be included in the scope of vendor. Power cabling / earthing / passing shall be done by electrical contractor and not vendor.	1	nos		

Sr.No.	Description	Qty	Unit	Rate	Amount
<b>Rate in words</b>					
1.3	Supply, installation, testing and commissioning of radiator hot air exhaust / fresh air supply ducting system common for all D.G. set with necessary insulation etc complete with necessary dampers etc if required such that derating of sets is not done. If required necessary additional fans shall be considered in the offer.	300	sq mtr		0
<b>Rate in words</b>					
1.4	Supply, installation, testing and commissioning of exhaust gas ducting till terrace for each D.G. set including necessary cladding / clamping / insulation / civil works and fabrication works complete. Sectional area shall be as per design & manufacturers specifications.	400	rmt		
<b>Rate in words</b>					
1.5	Supply, installation, testing and commissioning additional fuel piping system for filling diesel from barrels to day tank of generators including necessary piping - 150 mtrs max; flame proof fuel pump - 1 working + 1 standby and starter panel for the same complete as per norms of authorities.	1	sets		
<b>Rate in words</b>					
<b>GRAND TOTAL OF SECTION 1.0</b>				<b>Rs.</b>	
<b>Amount in Words</b>					
<p>All above rates shall be inclusive of:            Cost for AMC for three years on comprehensive basis shall be covered in the quoted rates. The cost shall take care of all consumables and spares required for the generators supplied by vendor except for diesel which shall be supplied by NRDA as per actual requirements. A maintenance register shall be maintained as specified in the relevant clauses of the tender document.</p>					