

Tender No.- NG/20
Tender for Uninterrupted Power Supply System during
Event Management in National Games

The 34th National Games shall be held at Ranchi, Dhanbad and Jamshedpur from 21st November to 5th December, 2009. The Opening Ceremony and Closing Ceremony shall be held at Main Athletic Stadium, Mega Sports Complex, Hotwar, Ranchi. Opening Ceremony shall be held on 21st November, 2009 and Closing Ceremony shall be held on 5th December, 2009.

For the Opening and Closing Ceremony temporary independent electric power supply system is needed. The details of requirements are given below:-

A. For Lights and Laser

1. 100kw 3phase power x 20 distribution points on the ground distributed equally.
2. 125kw 3phase power x 1 distribution point on the centre stage.
3. 100kw 3phase power x 2 distribution points above VIP enclosures.
4. 125kw 3phase power x 2 distribution points for lasers.

Total required load = 2575kw

B. Sound and Video

1. 400kw 3phase power distribution equally around the periphery of the tract for sound.
2. 125kw 3phase power x 2 distributed equally in the stadium for video.

Total load required = 650kw

C. General Lighting and Back Stage

1. 250kw 3phase power (distribution to be advised)

Total load required = 250kw

Total Power Requirement = 3475kw

Power is to be supplied to Scaff Lights, VIP stage, Centre stage, Laser, Video, Audio and Holding area outside stadium. According to the need of power gensets with appropriate number and length of cables with all accessories are required. Backup generators shall also have to be kept to avoid power failure in case of breakdown of any main generator set.

Approximate number of gensets required are as below:-

Scaff lights	-	10 genset
V.I.P. Stage	-	01 genset
Centre Stage	-	01 genset
Laser	-	01 genset
Video	-	01 genset
Audio	-	2 genset
Holding Area	-	01 genset
Total	-	17 genset

Backup gensets required = 9

Number of Gensets given above is purely tentative and just as a guideline. Number of Gensets required shall purely depend on the capacity of Generators and total load requirement.

The entire materials shall be only on hire basis. The successful bidder shall take away all his equipments after the Closing Ceremony.

All gensets shall be kept outside the stadium. Through appropriate cables power shall be supplied to different points. All allied equipments like junction boxes, circuit breakers, cables, power plugs etc. shall have to be supplied by the bidder. After the Closing Ceremony all materials shall be taken away.

This tender is invited for power supply system on turnkey basis and purely on hire basis.

Except genset the tentative details of allied equipments are given below:-

1.	Power Cable from genset to distribution points	-	120sq.mm. Aluminium 31/2 Core Armoured
2.	Power Cable for internal loop	-	70sq.mm Aluminium, 31/2 Core Armoured
3.	MCCB 250A, 3 Phase	-	05
4.	MCCB 125A, 3 Phase	-	30
5.	MCCB 63A, 3 Phase (Audio)	-	10
6.	Changeover switch 225A, 4Pole, 2 change over	-	10
7.	Earth Cable	-	7/18 Copper
8.	Enclosure for MCCB & Bus Bar 250A	-	05

9.	Enclosure for MCCB & Bus Bar 125A	-	30
10.	Enclosure for MCCB& Bus Bar 63A	-	10
11.	Cable Extension box 250A	-	40
12.	Complete lugs for all power cables (As per requirement)		

Other Important Points

1. All points shall terminate in a Circuit breaker with appropriate fuses. All points should terminate in 3 phase + Neutral.
2. Earthing has to be provided for all termination points. Earthing for Sound & Video to be totally isolated from the lighting and laser.
3. For all power that is being routed to the centre stage, a trench should be dug from the corner of the grass on either side of the ground and the power cables should run through these trenches. These trenches should have 2 pipe running through them with a diameter of 9 inches each and there should be a guide wire system installed in each of these pipes. These pipes will then be used for power cables in one pipe and signal cables in the other.
4. The tracks shall not be disturbed or damaged in any way. In case of damage of tracks it shall attract heavy penalties.
5. Any power failure during the event may attract penalties up to 5 percent of the bid value for each breakup.
6. All the systems has to be installed 5 days before the Opening Ceremony so that adequate rehearsals can be done.

Technical Qualification

1. The bidder shall be a registered company either in Event Management or Electrical Equipments supplier/dealer.
2. The bidder shall have experience of doing this type of temporary but heavy power supply system through DG Sets at least once in last 5 years.
3. The bidder shall have annual turnover of Rs. 1.00 crore in any year during preceding three years. Company balance sheet has to be submitted.

4. Rs. 10,000/- as bid cost (non refundable) through bank draft drawn in favour of Director, NGOC payable at Ranchi.
5. EMD of Rs. 5.00 lakhs shall be submitted as Bank Draft drawn in favour of Director, NGOC payable at Ranchi.
6. Both the above bank drafts shall be of any nationalized or scheduled bank of India.
7. EMD shall be returned to unsuccessful bidders. In case of successful bidder EMD shall be adjusted against security money.
8. Income tax paid and commercial taxes paid proofs for the year 2007-08 shall be given.

Financial Conditions

1. The bidder shall submit single price so as to do the work on turnkey basis and hire system. The price shall be inclusive of all expenses such as procurement, transportation, work force, civil & electrical works and all admissible taxes.

Bid System

This shall be two bid systems: Technical bid and financial bid. Both shall be in separate sealed envelopes. Both the envelopes shall be kept in a third envelope. First the technical bid shall be opened. Those who shall be found successful in the technical bid the financial bid of only those companies shall be opened.

A prebid meeting shall be held on 10.07.09 at 3.00 P.M. at Main Athletic Stadium, Hotwar, Ranchi. In this prebid meeting the stadium shall be shown along with the points for power supply and other technical points so that the bidders can get to know the extent of work and scope of work.

Director, NGOC invites tender for uninterrupted power supply system for event management to be done during the National Games. The final bid submission date is 20.07.09 before 3.00 P.M. late tenders shall not be received.

(P.C.Mishra)
Director
NGOC