CORRIGENDUM-IV

Ref:TENDER SPECIFICATION No. Sr. G.M -CPC-TENDER-SPARE NUM RELAY & C&R PANELS – 30/2010-11.

:TENDER NOTICE NO. 24/2010-11.

NB:-Replies to queries during pre-bid discussion held on Dated 12.10.2010 in OPTCL,for procurement of Bus-Bar protection & Scheme against Tender Specification No. 30/2010-10.

Replies to queries during pre-bid discussions for procurement of Bus Bar Protection Scheme against Tender Specification No. 30/2010-11

Pre Bid Discussion held on dated 12.10.2010.

Sl.No.	Queries	Response of OPTCL
1	**Reducing qualifying requirement to 40% of tender quantity**	OPTCL does not agree to amend this clause and likes to have qualifying requirement of 10 times of the tender quantity
2	Providing single line diagrams of substation layout	Single line diagrams are available under OPTCL web site. However, the copies of single line diagrams for the specified substations have been uploaded in the OPTCL current tender site.
3	Accept central bus bar protection Scheme	OPTCL did not agree for centralised bus bar protection scheme. It will be both bay unit and central unit. Bay units shall be connected to the central unit via optic fibre cables.
4	Confirmation as to whom EMD BG will be addressed	EMD BG will be addressed to Sr. General Manager (CPC)
5	Whether Bay units and central units to be provide in the same panel or bay unit will be provided in each bay and the central unit will be provided in bus sectionalisation or bus coupler panel	Bay units to be provided in each bay panel or in existing bus bar protection panel where CT connection has been terminated in the bus bar protection panel. Central unit is to be provided either in bus coupler panel or bus sectionalisation panel. Fibre Optic connection will be done within central unit and bay unit. Accordingly, clause 3.0 (1)(k) is amended as follows: "Bus bar protection unit shall have distributed structure comprising a central unit and bay units. The bay units will be located in the bay panels/ bus bar protection panel and central unit shall be located in the bus

		coupler panel / bus bar protection panel / bus sectionalisation panel.
6	Whether cable laying and civil works are involved in the scope of work	Clause 5.6 of the Technical Specification says scope of specification does not cover supply and lying of control and power cables. Similarly civil works are not under the scope of specification. But the contractor is to furnish the cable schedule and civil works requirement before 3 months of installation of the relays.
7	Whether time synchronisation shall be feasible by means of IEC 61850/irig-b where links shall mean SNTP Protocol	Time synchronisation will be feasible by means of IEC 61850/irig-b of GPS. Connection link shall be with SNTP Protocol
8	As per clause 3.0 of Technical specification, scope of expansion mentions upto 6 bay sections whereas in clause 3.0.1(f) the scope of expansion mentions additional 2 bays as per layout	As mentioned in clause 3.0.1(f) provision of hardware / software should be there for addition of 2 bays in the protection system. Clause 3.0.1 says in addition to the above 2 bays, space should be available for installation of hardware / software for another 6 bays in future.
9	At Katapalli REV 500 Ver. 5.01 of ABB with 8 bay units is existing	The Katapalli Grid S/S is deleted from the scope.
10	Whether trip relay is to be supplied with bus bar protection relay or not?	As per clause 7.1.0 (b) of the Technical specification, trip relays shall be deemed to have been covered under the scope of this specification.
11	**Out of warranty spares to be maintained by OPTCL or not?**	During the warranty period, replacement / repair of defective parts is to be done by the contractor at their cost.

Besides the above queries and response from OPTCL, the following amendments are made herewith.

(1) Clause No.3.0.(1)k which reads as "The bus bar protection shall have a distributed structure comprising a Central Unit and Bay Units. All the Bay units and the Central Unit shall be located in Busbar protection panel." is to be amended as "Bus bar protection unit shall have distributed structure comprising a central unit and bay units. The bay units will be located in the bay panels / bus bar protection panels and central unit shall be located in the bus coupler panel / bus bar protection panel / bus sectionalisation panel.

(2) The civil works if required any will be done by OPTCL.

(3) Since the bus bar protection scheme of Katpalli Grid S/S can be repaired by procurement of spares from ABB, we may delete this from the scope of work.

(4) Clause No. E (g) (2) of "Back-up Over Current and Earth Fault Protection Scheme with High Set Element" reads "it shall also be possible to use the relay in motor protection mode wherein it can be programmed to protect the motor / motor feeder from conditions like Thermal Overload, stalling / Locked rotor, too many starts protection" and clause No. E (g) (3) reads "The relay shall also have the feature of auto reclosure with independently programmable dead time and reclaim time for each shot. The function shall be programmable for at least 4 shorts of auto closure".

Those are deleted.

All other Terms and condition shall remain unultered for Tender Specification No. Sr. G.M -CPC-TENDER-SPARE NUM RELAY & C&R PANELS – 30/2010-11 & TENDER NOTICE NO. 24/2010-11.

Sr. G.M,CPC,OPTCL