

**Construction of Sub-Station at various locations in Orissa along with associated  
Transmission Line for OPTCL against  
Bid Document No. : NESCL/OPTCL/CS-OS-620-01,02**

**Clarification on Bid Document based on queries raised by different bidders:**

<b>Sl. No.</b>	<b>Package No.</b>	<b>Spec. / Bid Clause No.</b>	<b>Pre Bid Query</b>	<b>Comments.</b>
1	620-02	220/132/33kV Substation, Dhamara Structural Layout.	Structural layout on 132kV side shows 9 nos.of bays (including bus coupler) shall be accommodated, but as per SLD there are only 7 bays present on 132kV side. Kindly confirm whether structural layout shall be changed in accordance with SLD (7bays	Yes to be modified in line with the SLD & BPS (7 nos. Bays).
2	620-01	Vol-IIA, Scope of works, page 1 of 24	As per specification drawing as per Annexure-vi) showing the installation of PLCC equipment at remote end and proposed end has bee attached. Please note that the same is not attached along with the specification. Kindly provide the same.	Refer Annex-VII, placed in Vol-IIA at the end of scope of work. A layout for PLCC is placed for necessary action.
3	620-01	Vol-IIA, Scope of woerks, page 3 of 24	We understood that 2 nos. 132kV bay has to be extended at 132/33kV Patamundai sub-station. Kindly furnished the existing SLD at 132/33kV Patamundai substation.	Existing 132kV system has 4 nos. 132KV bays (Fdr-1) +(Tfr-2) + (B/C-1).

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4	620-01	Vol-IIA, Scope of woerks, page 3 of 24	We understood that 2 nos. 132kV bay has to be extended at 132/33kV Patamundai sub-station. Kindly furnished the existing Substation layout at at 132/33kV Patamundai substation.	Layout of the S/S can be handed over after successful in the Tender Process. Bidder has to visit the site before quoting the tender.
5	620-01	Vol-IIA, Scope of woerks, page 3 of 24	We understood that 2 nos. 132kV bay has to be extended at 132/33kV Patamundai sub-station. Augmentation of bus bar protection is not included in our scope at 132/33kV Patamundai substation. Kindly confirm.	No bus bar protection.
6	620-01	Vol-IIA, Scope of woerks, page 3 of 24	We understood that 2 nos. 132kV bay has to be extended at 132/33kV Patamundai sub-station. augmentation of SAS is not included in our scope at 132/33kV Patamundai substation. Kindly confirm.	No augmentation of SAS
7	620-01	Vol-IIA, Scope of woerks, page 3 of 24	We understood that 2 nos. 132kV bay has to be extended at 132/33kV Patamundai sub-station. Kindly furnish the spacing of existing main earthmat at 132/33kV Patamundai substation.	You stick to the present Technical Specification for spacing of main earthmat (minimum 5 mtrs both way).
9	620-01	Vol-IIA, Scope of work	Kindly furnish typical plan & section of 132/33kV substation at Marshaghai & Olavar substation.	The details type of Column & Beam are indicated in the structural layout. The height & weight are also indicated in the scope of work-Vol.IIA. Plan & Section views can be prepared by the Bidder, if they require.

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10	620-01	Vol-II, E2-General Technical Clause, Clause-12.4.1, page 26 of 34	Cable racks inside cable trench for switchyard area & control room shall be of 50x50x6 MS angle and ladder type tray shall be considered. Kindly confirm.	Yes to be considered.
11	620-01	Vol-II, E21-Control & Relay panel, Clause-6.5, page 21 of 67	Main-I & Main-II protection relay shall be provided with same make and works with different platform. Kindly confirm.	Can be of different make also.
12	620-01	Vol-II, E21-Control & Relay panel.	Sub-station automation system/SCADA has not been envisaged for 132/33kV Marshaghai & Olavar substation. Kindly confirm.	The Control & Relay panel should have provision for future SCADA as all the IED's are IEC61850 protocol compliant. But at present SCADA implementation is not required.
13	620-01	Vol-II, E21-Control & Relay panel, Clause-7.6, page 38 of 67	Bus bar protection for 132kV & 33kV system at Marshaghai & Olavar substations has not been envisaged. Kindly confirm.	Not required.
14	620-01	Vol-II, E21-Control & Relay panel.	Future bays has not been envisaged in 132/33kV Marshaghai & Olavar substation. Kindly confirm.	Not at present, but in future this may be required during bay extension.
15	620-01	Vol-II, Technical Specification.	As per Technical Specification index, standard drawing for earthing has been listed. Please note that the same is not attached along with the specification. Kindly provide these drawings.	Refer the T.S. Vol.II.
17	620-01	General	Please furnish the FGL and contour map for the proposed substations.	Bidder to do the detail Engineering. This may be required during execution of work.
18	620-01	General	Please furnish the soil investigation report if available with you.	Bidder to investigate the same as per the Tender Specification.

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19	620-01	Vol.-1B, Schedule-2C, Part-1 page No.- 2 of 14, Sl.No.23.9g.	We trust the foundation bolts for towers and equipment support structures will be paid under schd-2C, SL. No.: 23.9g, pg.no.:2of 14.please confirm the same.	The foundation bolt is included in the column structure & the payment shall be under Sched-2A (Supply).
20	620-01, 02	Volumn-II, chaper-E6,clause No.17.20, Pg.No.48 of 55 & Vol. 1B, Schedule-2C, Part-I, Pg.No.8 of 14 Sl.No.3.1.	As per specification control room building area is given as 50x25mx25m. But as per price schedule same is given 33x12m, 18x11m. Please clarify which is to be follow.	Refer the vol.iB, Schedule-2C- Sl.No.3.1 for package-620-02.(a) (220/132 kV S/S)- The size of the Control Room Building shall be 50m x 25m (GF) & 25m x 25m (FF). (b) For 132/33kV S/S (Pak.620-01)- 33mm x 12 mtrs. (GF) & 18 mtrs x 11 mtrs. For (FF). Refer the same Sl.No.as indicated above.
21	620-01	Vol.-II, Chapter:E6 Clause No.24.1, Pg.No.53 of 55 & Schedule-2C-part-1, pg.No.13 of 14 Sl.No.25	As per specification platform size is given as 20x15m. But as per price schedule same is given as 15x10m. Please clarify which is to be follow.	As per B.P.S.
22	620-01	Vol.-II, Chapter:E6 Clause No.24.2, Pg.No.53 of 55 & Schedule-2C-part--1, pg.No.13 of 14 Sl.No.24.	As per specification store shed size is given as 15x15m. But as per price schedule same is given 10x10m. Please clarify which is to be follow.	As per B.P.S.
23	620-01	Vol.-IB, Schedule-2C-part--1, pg.No.11 of 14 Sl.No.12.3	Please furnish the level difference within the proposed substations to enable us to access stone pitching and toe wall.	Bidder to design for construction of S/S.
25	620-01	VOLUME-IA Conditions of contract, Taxes & Duties, Clause No.6.1	As per this clause, octroi/entry taxes are not be included in price schedule for all the items (including bought-out finished items) which shall be despatched directly to destination ste. Kindly confirm.	Octroi/ Entry tax if any shall be paid by OPTCL on production of relevant document.

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26	620-01	VOLUME-IA Conditions of contract, Taxes & Duties, Clause No.6.1	As per this clause, octroi/entry taxes shall not be payable by you for bought-out items which are not directly despatchable to site. Kindly confirm.	Octroi/ Entry tax if any shall be paid by OPTCL on production of document evidence.
27	620-01	BPS Schedule-2A (For Substation) & Part-II, Schedule-2A (For line), Taxes & Duties Column.	In price schedule, it is mentioned that For bought out items, taxes & duties excluding Octroi/Entry Tax are invariably included in the price quoted at "Ex-works Price". Kindly confirm.	Yes & as above.
28	620-01	VOLUME-IA Conditions of contract, Solving of statutory approval, Clause-33.2 Page-39 of 44	As per this clause, fees payable for Statutory Inspection and Approvals shall be reimbursed at actuals. Hence, the Statutory fees towards price schedule item no 2.3 & 2.4 under civil Works, Part-II, Schedule -2C (for Line) are not considered in our part.	You have to consider & quote in line with BPS.
30	620-02	Vol-IIA, Scope of works, page 1 of 24	As per specification drawing as per Annexure-vi) showing the installation of PLCC equipment at remote end and proposed end has been attached. Please note that the same is not attached along with the specification. Kindly provide the same.	Refer Annex-VII, placed in Vol-IIA at the end of scope of work. A layout for PLCC is placed for necessary action.
33	620-02	Vol-II, E2 General technical Clause, clause-12.41, page-26 of 34	Cable racks inside cable trench for switchyard area & control room shall be of 50x50x6 MS angle and ladder type tray shall be considered. Kindly confirm.	Yes to be considered.
34	620-02	Vol-II, E2A-Control and Relay panel, clause-65, page-21 of 67	Main-I & Main-II protection relay shall be provided with same make and works with different platform. Kindly confirm.	Can be of different make also.

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36	620-02	Vol-II, E2A-Control and Relay panel.	Future bays has not been envisaged in 132/33kV Marshaghai & Olavar substation. Kindly confirm.	The Control & Relay panel should have provision for future SCADA as all the IED's are IEC61850 protocol compliant. But at present SCADA implementation is not required.
37	620-02	Vol-II, Technical Specification.	As per Technical Specification index, standard drawing for earthing has been listed. Please note that the same is not attached along with the specification. Kindly provide these drawings.	Refer the T.S. Vol.II.
39	620-02	General	Please furnish the FGL and contour map for the proposed substations.	Bidder to do the detail Engineering. This may be required during execution of work.
40	620-02	General	Please furnish the soil investigation report if available with you.	Bidder to investigate the same as per the Tender Specification.
41	620-02	Vol.-1B Schedule-2C, Part-1 page- 10 of 17 Sl.No.2.1	Please the cable trench drawing or cable trench Size.	Refer Tech. Spec. Vo.II, Chapter E6-Civil works.
42	620-02	Volumn-1B Schedule-2C, Part-I, Pg.No.11 of 17 Sl.No.4.3.	Please furnish the length of approach reoad.	Bidder to visit site & ascertain the same
43	620-02	Volumn-1B Schedule-2C, Part-I, Pg.No.4 of 17 Sl.No.33.4	We trust the foundation bolts for towers and equipment support structures will be paid under schd-2C, SL. No.: 33.4 pg.no.:4of 17.please confirm the same.	The foundation bolt is included in the column structure & the payment shall be under Sche-2A (Supply).

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44	620-02	Vol.-II, Chapter:E6 Clause No.24.1, Pg.No.53 of 55 & Vol.1B,Schedule-2C-part--1, pg.No.16 of 17 Sl.No.22.	As per specification platform size ....	As per B.P.S.
45	620-02	Vol.-II, Chapter:E6 Clause No.24.2, Pg.No.53 of 55 & Vol.1B,Schedule-2C-part--1, pg.No.16 of 17 Sl.No.21.	As perspecification store shed size ....	As per B.P.S.
46	620-02	Vol.1B,Schedule-2C-part--1, pg.No.11 of 14 Sl.No.12.3.	Pleaase furnish the level difference .....	Bidder to design for construction of S/S.
48	620-02	VOLUME-IA CONDITION OF CONTRACT, TAXES & DUTIES, Clause No.6.1	As per the Clause, octroi/entry...	Octroi/ Entry tax if any shall be paid by OPTCL on production of document evidence.
49	620-02	VOLUME-IA CONDITION OF CONTRACT, TAXES & DUTIES, Clause No.6.1	As per this clause, octroi/entry.	Octroi/ Entry tax if any shall be paid by OPTCL on production of document evidence.
50	620-02	BPS SCHEDULE-2a (FOR SUBSTATION & PART-I SCHEDULE-2A (FOR LINE), Taxes & Duties Column.	In price schedule, it is mentioned that For bought out .....	Yes and as above

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51	620-02	VOLUME-IA CONDITIONS OF CONTRACT,SOLVING OF STATUTORY APPROVAL, Clause-33.2 Page-39 of 44	As per this clause, fees payable for Statutory. ....	You have to consider & quote in line with BPS.
52	620-01	Vol-I, QR criteria under Clause No. 5.1.9 & 5.1.10	Experience of the bidder for the works carried out towards Erection,Testing & Commissioning.....	On Turnkey basis & as per Tender documents.
53	620-01 & 02	General	The Substation Layout drawing ....	Bidder should have ascertained the quantity before quoting.
54	620-01 & 02	General	Route map of Transmission ....	Bidder should have ascertained the quantity before quoting.
55	620-01 & 02		In the Tender Document Vol.No.1,...	On Turnkey basis & as per Tender documents.
56	620-01 & 02		In Tender 620-01, the Price Schedule ...	Same as 90KN, only the Electro Mechanical strength of insulator string fittings shall be 70 KN.
57	620-02	Item SI No 1.6 of Schedule-2C (Line), Vol-IB	Please confirm whether we have to quote for supply of reinforcement & cement in the said item or not .	Yes, the item rate has to be quoted with reinforcement & cement
58	620-02	Item SI No 1.7 of Schedule-2C (Line), Vol-IB	Please confirm whether we have to quote for supply of reinforcement & cement in the said item or not .	Yes, the item rate has to be quoted with reinforcement & cement