



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:DPL-E1127:TCN-01

Date: 06/10/2010

Sub	Tender change notice (TCN) 01.	
Job	Supply, Erection, Testing, Commissioning of equipment/ systems and Stabilization/ Maintenance work for construction power distribution system including obtaining clearances from various authorities for 1X250 MW Durgapur Project Ltd.	
Ref	1.0	Tender no PSER:SCT:DPL-E1127:10.
	2.0	BHEL's NIT, vide reference no Ref: PSER:SCT:DPL-E1127:10 Dated 20/09/10
	3.0	Other references (if any).

With reference to above , following points , relevant to tender, may please be noted and complied with while submitting offer.

- 1.0 Due date of submission of offer is extended from 11/10/2010 upto 18/10/2010 (1500 Hrs)
- 2.0 Technical Clarification is attached vide annexure-A to TCN-01.
- 3.0 Price schedule format VOL-III, PRICE SCHEDULE, REV-0 has been revised as VOL-III, PRICE SCHEDULE, REV-01 . Bidders are requested to submit their price in revised format (VOL-III, PRICE SCHEDULE, REV-01) only. Offer from bidders in superseded price schedules shall not be considered. Bidders are requested to furnish a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per revised price schedule format (VOL-III, PRICE SCHEDULE, REV-01).
- 4.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 5.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (SCT)

Encl

- 1.0 Technical Clarification (annexure-A to TCN-01)
- 2.0 Revised price format as (VOL-III, PRICE SCHEDULE, REV-01)
- 3.0 Revised 'No deviation certificate' format.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960 फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

ANNEXURE – A TO TCN-01

JOB	Supply, Erection, Testing, Commissioning of equipment/ systems and Stabilization/ Maintenance work for construction power distribution system including obtaining clearances from various authorities for 1X250 MW Durgapur Project Ltd.			
TENDER NO	Tender no PSER:SCT:DPL-E1127:10.			
Sl no	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
01	2A of VOL-III Section B(I)	Dismantling , Removal & return to BHEL store of 9 to 12 mtr PCC/rail pole along with all accessories/stay set for 11KV /LT O/H lines with refilling of the void and disposal of rubbish	Assumed that the removal and return to BHEL store from existing site of DPL to proposed BHEL site	Pl refer revised BOQ
02	2C VOL-III Section B(I)	Dismantling Lighting Poles from Budge Budge site , transportation from Budge Budge site to DPL site, unloading of lighting poles at DPL site	Whether lighting poles means PCC or Rail poles. We shall not be held responsible in any way for any damage or breaking of PCC poles during dismantling/loading/transporting/unloading activities	Pl refer revised BOQ
03	12 VOL-III Section B(I)	Dismantling and return of existing cradle guard of overhead line (span lengthwise)	Assumed that the removal and return to BHEL store from existing site of DPL to proposed BHEL site	Pl refer revised BOQ
04	41A VOL-III Section B(I)	Dismantling of DOG ACSR conductor with insulators, returning to store.	Assumed that the removal and return to BHEL store from existing site of DPL to proposed BHEL site. Quantity mentioned is only 0.5 mtrs. Please clarify.	Pl refer revised BOQ
05	41B VOL-III Section B(I)	Dismantling of ACSR conductor from Korba(East), transportation from Korba (East) to DPL (site), unloading at DPL (site)	Whether ACSR conductor including fittings also	Pl refer revised BOQ
06	45 VOL-III Section B(I)	Removal of existing buried cable after excavation and back filling returning to store after coiling.	Assumed that the removal and return to BHEL store from existing site of DPL to proposed BHEL site further dismantling of cables including end termination also	Pl refer revised BOQ
07	46A VOL-III Section B(I)	Removal of existing cable laid in open/ on tray in trench, returning to store after coiling.	Assumed that the removal and return to BHEL store from existing site of DPL to proposed BHEL site further dismantling of cables including end termination also	Pl refer revised BOQ

ANNEXURE – A TO TCN-01 – cont...

JOB	Supply, Erection, Testing, Commissioning of equipment/ systems and Stabilization/ Maintenance work for construction power distribution system including obtaining clearances from various authorities for 1X250 MW Durgapur Project Ltd.
TENDER NO	Tender no PSER:SCT:DPL-E1127:10.

Sl no	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
08	46B VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPL site & unloading at DPL site	Dismantling of buried cables or laid on tray ?	Pl refer revised BOQ
09	46C VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPL site & unloading at DPL site	Dismantling of buried cables or laid on tray ?	Pl refer revised BOQ
10	46D VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPL site & unloading at DPL site	Dismantling of buried cables or laid on tray ?	Pl refer revised BOQ
11	46D VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPL site & unloading at DPL site	Dismantling of buried cables or laid on tray ?	Pl refer revised BOQ
12	46E VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPL site & unloading at DPL site	Dismantling of buried cables or laid on tray ?	Pl refer revised BOQ
13	58C VOL-III Section B(I)	Dismantling from Budge Budge site ,transportation to DPL site and unloading at DPL site	Dismantling of LT kiosk from Budge Budge site is mentioned in Sl No 60B also. Please clarify?	PL refer revised BOQ
14	59 VOL-III Section B(I)	Dismantling of " Package substation" at Budge Budge site including incoming HT cable ,transportation from Budge Budge site to DPL site,unloading at DPL site & re-erection and commissioning at DPL site.The rate inclusive of labour,tools & tackles all complete in approved manner	Required details of bill of quantities	Package substation details have been referred to in Sl no3.2 of technical specification

ANNEXURE – A TO TCN-01 – cont..

JOB	Supply, Erection, Testing, Commissioning of equipment/ systems and Stabilization/ Maintenance work for construction power distribution system including obtaining clearances from various authorities for 1X250 MW Durgapur Project Ltd.
TENDER NO	Tender no PSER:SCT:DPL-E1127:10.

Sl no	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
15	Sl. No 06 of appendix-I in volume-II Page 26 of 26	Proposed Vender/Make against Item No-06-Air Break Switch.	<p>Vendors/Make mentioned in the list are either found to be not available or not responding.</p> <p>One more Vender, M/s Project Electrical Industries (I) Pvt Ltd, Kolkata, may please be included in the list of Venders / Make, which was approved by BHEL on earlier occasion (BOKARO-A-TPS-BOKARO-JHARKHAND against Tender No PSER:SCT:BOK-E1104:10)</p>	M/s Project Electrical Industries (I) may also be included in the vendor list for Air Break switch based on previous instance of approval for Bokaro-A for similar package .

VOLUME-III	
PRICE SCHEDULE (REV-01)	
JOB:	SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O & M WORK FOR 1X250 MW DPL TPS, WEST BENGAL
TENDER NO. PSER:SCT:DPL-E1127:10	
PREAMBLE	
01	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as per NIT together with subsequent changes/ modifications etc thereto as applicable as on date of submission of price offer.
02	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with this document are only preliminary for giving some idea of the work involved
03	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
04	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc equipment, strengthening of roads/culverts/bridges etc including arranging all clearances etc required for carrying out different activities & tests, materials, levies, taxes & duties (except service Tax), transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
05	The quantities of the various items mentioned in this schedule of items are approximate, based on the preliminary information and may vary to any extent or be deleted altogether. The quoted rates shall remain firm and valid throughout the period of execution including extension, for reasons what-so-ever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation, remains within thirty percent (+/-) 30% of the awarded contract value as per LOI.
06	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc including fixing of grid pillars, benchmarks etc required for commencement of site activities. No separate payment will be made towards the same.
07	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English
08	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
09	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
10	Summation of quoted prices all the price/rate schedules shall be considered for evaluation.
11	All works item wise shall be measured upon completion and paid for at the rates quoted & accepted.
12	Evaluation will be done exclusive of ED component in supply price schedule however awarding shall be done on overall L-1 price inclusive of ED component in supply price schedule combining all the three BOQs. Taxes/Duties/Levies shall be as per tender provision. Excise duty component shall be paid at actual limited to quoted value for manufacturer, 1st stage dealer, 2nd stage dealer on submission of necessary excise duty invoice from vendor. From 3rd stage dealer, Bidder should include their ED component at their basic price.

VOLUME-III

PRICE SCHEDULE (REV-01)

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O & M WORK FOR 1X250 MW DPL TPS,WEST BENGAL

TENDER NO. PSER:SCT:BOK-E1104:10

SUMMARY PRICE SCHEDULE

Sl.no.	SECTION	DESCRIPTION	BASIC PRICE	EXCISE DUTY (If any as per tender provision)	CST/VAT (If any as per tender provision)	FREIGHT	TOTAL AMOUNT AS PER QUOTED RATES (IN Rs.) (IN FIGURES AND IN WORDS)
1	Section -A	SUPPLY OF EQUIPMENTS					
2	Section -B (i)	RECEIPT, HANDLING, ERECTION, TESTING, COMMISSIONING AND HANDING OVER		NA	NA	NA	
3	Section -B (ii)	MANPOWER SERVICE FOR O&M OF THE SYSTEM AS PER SCC		NA	NA	NA	
	GRAND TOTAL PRICE OF SECTION -A & SECTION -B (i) + SECTION-B (ii)- (ALL INCLUSIVE TOTAL PRICE)						

NOTE
Evaluation will be done exclusive of ED (For manufacturer /1st stage /2nd stage dealer) component in supply price schedule however awarding shall be done on overall L-1 price inclusive of ED (For manufacturer /1st stage /2nd stage dealer) component in supply price schedule combining all the three BOQs. For brought out items (ED +CST/VAT + FREIGHT) to be included in quoted price.

**VOLUME-III
(PRICE SCHEDULE) REV-01**

JOB: SUPPLY, RECEIPT AT SITE, ALL HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENT AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O & M WORK FOR 1X250 MW DPL TPS,WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

SUPPLY OF EQUIPMENT & MATERIAL (SECTION-A)

Sl.No.	Description of Items	Qty	Unit	Basic Unit Rate (In Rs.)	Excise Duty (If any as per tender provision)	CST/VAT (If any as per tender provision)	Freight	Total Amount (In Rs.)
		(i)	(ii)	(iii)	(iv)	(v)	(vi)	(i)x(iii) + (iv)+(v)+(vi)
01a	Supply of PCC pole 9 M long (W/L - 400 kg) as per SEB Specification (Size as per drg. TOP-230mmx100mm & BOTTOM 410 mmx 100 mm)	40	No					
01b.	Supply of Rail Pole 45kg/M,12.8 m long	2	No					
2	7/4 mm STAY SET WITH TURN BUCKLE / BOW TIGHTENER/ BOW SET WITH TURN BUCKLES : Supply of stay set complete Galvanised with 19/20 mm dia x1.8 meter long stay rod, anchor plate size 45 cm x45 cm x7.5 mm thick, thimble, stay clamp, turn buckle,(20 mm x60 mm) /bow tightener, 7/4.00 mm dia. GI stay wire and strain insulator, clamps, hardware etc. as required	53	set					
3	Supply of 11 KV pin type insulators (10KN) & fittings as per relevant IS: 731, IS: 3188, IS: 2486(Part-I) as per specification, complete with large steel head GI pins, nuts, washer etc. as required Make - BHEL Banglore /WSI Chennai /Jayashree Insulator Halol/ Calcutta /Modern Insulator Abu Road	150	No					
4	Supply of 11 KV disc insulators (70KN) for 11 KV overhead line as per relevant IS: 731, IS: 3188, IS:2486(Part-I) as per specification with galvanised insulator fitting, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required Make : BHEL Banglore /WSI Chennai /Jayashree Insulator Halol/ Calcutta /Modern Insulator Abu Road	150	No					
5	Supply of lightning arrester distribution class type non-linear resistor as per IS: 3070 type, suitable for 11 kv over head lines with rated voltage of 9 Kv (rms) with nominal discharge current rating of 5 KA and complete with galvanised bolts, nuts, washers, fitting etc. as required.	15	No					
6	Supply of 12 KV, rated current 100 Amps DO fuse assembly as per relevant IS complete with mounting base, hardware, clamps insulators, operating rod, terminal connector including fuse rating suitable for 500 KVA,Transformer	5	set					
7	Supply of 11 KV out door type gang operated AB switch tripple pole 800 Amps rating , with 3 post pin insulators per phase, bimetallic connector, suitable for horizontal or vertical position mounting with adequate length of G.I. Pipe for operating handle erected on extended square shaft. with necessary clamps, hardware etc.	2	set					
8	Supply of 11 KV out door type gang operated AB switch tripple pole 400 Amps rating , with 3 post pin insulators per phase, bimetallic connector, suitable for horizontal or vertical position mounting with adequate length of G.I. Pipe for operating handle erected on extended square shaft. with necessary clamps, hardware etc.	8	set					
9	Supply of 11 KV out door type gang operated AB switch tripple pole 200 Amps rating , with 3 post pin insulators per phase, bimetallic connector, suitable for horizontal or vertical position mounting with adequate length of G.I. Pipe for operating handle erected on extended square shaft. with necessary clamps, hardware etc.	2	set					
10	Supply of Cradle type Cage gauard (along /across the road for 11 KV single circuit) shall run along the line made out of 6 SWG GI wire confirming to IS 2633 including netting, stretching and joining of cage including lacing by 10/12 SWG GI wire, binding by 14/16 SWG GI wire.	2	KM					
11	Supplying of 15 mm G.I. Pipe (Gr.B) 3 meter long for protection of earth wire	170	metre					
12	Supply of GI strip size 50 x 6 mm for earthing	250	metre					
13	Supply of GI strip size 25 x 3 mm for earthing	125	metre					
14	Supply of GI pipe (Gr.B) 50 mm dia	20	metre					
15	Supply of GI pipe (Gr.B) 75 mm dia	20	metre					
16	Supply of CC spun pipe of 300 mm dia.	10	metre					

**VOLUME-III
(PRICE SCHEDULE) REV-01**

JOB: SUPPLY, RECEIPT AT SITE, ALL HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENT AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O & M WORK FOR 1X250 MW DPL TPS,WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

SUPPLY OF EQUIPMENT & MATERIAL (SECTION-A)

Sl.No.	Description of Items	Qty	Unit	Basic Unit Rate (In Rs.)	Excise Duty (If any as per tender provision)	CST/VAT (If any as per tender provision)	Freight	Total Amount (In Rs.)
17	Supply of 3/4" PVC Flexible pipe	100	MTR					
18	Supply of 40mm dia (OD) GI pipe for Fitting luminaires	40	mtr					
19	Supply of earth electrode 40 mm dia. 3 Mtr long GI pipe (grade -B)	36	No					
20	Supply of earth wire size 6.09 mm. Dia. GI wire	450	metre					
21	Supply of GI Earth Spike 1822 x 20 mm	80	No					
22	Supply of 8 SWG GI wire earthing.	600	mtr					
23	Supply of 14 SWG GI earth continuity wiring.	3300	mtr					
24	Supply of Overhead ACSR conductor 'Dog' as per specification [6/4.72mm AL+7/1.57mm Steel as per IS 398(Pt-2) 196 or latest release	2000	metre					
25 i)	11 KV Heat shrinkable XLPE cable Joint (Out Door) : Supplying outdoor cable end termination with heat shrinkable jointing kit complete with accessories including lugs suitable for cable size three core x 120 sqmm. Aluminium conductor. Make Raychem /RPG/MSeal	5	No					
25 ii)	Indoor type cable end termination kit (Raychem make heat shrinkable type) for 3Cx120 sqmm 11 KV grade XLPE cable.	5	NO					
26 i)	6.6 KV Heat shrinkable XLPE cable Joint (Out Door) : Supplying outdoor cable end termination with heat shrinkable jointing kit complete with accessories including lugs suitable for cable size 3C x 150 sqmm. Aluminium conductor. Make - Raychem or equivalent.	2	NO					
26 ii)	Indoor type cable end termination kit (Raychem make heat shrinkable type) for 3Cx150 sqmm 6.6 KV grade XLPE cable.	2	NO					
27	Supply of HT danger notice plate of size 250 mm x 200 mm x 2 mm thk., made of mild steel plate painted with vitreous enamelled white on both side and inscription in Red colour on front side as required.	50	No					
28	Supply of Structural steel [IS] for 11KVaccessories /support members/clamps & hardware	8	MT					
29	Supply of sheet metal (16SWG) iron clad busbar chamber (W=500mmxD=150mm) on angle iron frame duly painted on wall with 4 Al bars (25mmx5mmx600mm) 500V, with adequate nos of holes drilled for connection of incoming & outgoing ckts, bars are fixed on porcelain insulators including supply of required hardwares for connection, fitted with DANGER board all complete.	5	NO					
30	Earth pit as per IS:3043 including masonry work & cast Iron cover, GI pipe 50 mm dia 3 m long class B with funnel & holes in the body for watering, pit with alternative layer of charcoal & salt including supply of all materials complete.	10	no					
31	Supply of 200 amps indoor 415V 3 ph 4 wire type TPN wall mounted busbar with Incoming 250 A isolator & 5 nos outgoing main switch - 63 A complete with all wiring & terminations, mounting frames etc.	1	no					
32	Supply of MCB distribution board with sheet metal enclosure front cover, indoor type, Incoming 32 Amps TP MCB, outgoing 6 nos. 16 Amps SP MCBs (per phase) complete with internal TPN bus bars	3	no					
33	Supply of MCB distribution board with sheet metal enclosure front cover, indoor type, Incoming 100 Amps TP MCB, outgoing 6 nos. 32 Amps SP MCBs (per phase) complete with internal TPN bus bars	5	no					
34	Supply of Switchboard wooden 150x100 mm with matching cutouts and interconnections.	40	NO					
35	Supply of Switchboard wooden 200x300 mm with matching cutouts and interconnections.	40	NO					
36	Supply of Indicator lamp for Switchboard (Anchor / Pritam)	40	no					
37	Supply of 5/ 6 A piano type switch.	150	NO					
38	Supply of 5/ 6 A flush type power socket.	80	NO					
39	Supply of Fuse - 5Amps / 6 amps	41	no					
40	Supply of Push button switch for call bell (box type)	33	no					
41	Supply of Calling Bell	16	no					
42	Supply of 15/ 16 A piano type switch.	44	NO					
43	Supply of 15/ 16 A flush type power socket.	41	NO					

**VOLUME-III
(PRICE SCHEDULE) REV-01**

JOB: SUPPLY, RECEIPT AT SITE, ALL HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENT AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O & M WORK FOR 1X250 MW DPL TPS,WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

SUPPLY OF EQUIPMENT & MATERIAL (SECTION-A)

Sl.No.	Description of Items	Qty	Unit	Basic Unit Rate (In Rs.)	Excise Duty (If any as per tender provision)	CST/VAT (if any as per tender provision)	Freight	Total Amount (In Rs.)
44	Supply of 15/16 amps fuse & socket combined switch	22	no					
45	Supply of 230V 12" exhaust fan with external louvre	6	no					
46	Supply of local make approved quality Pedestal fan - 16" sweep.	55	NO					
47	Supply of CFL 2x36 W decorative false ceiling type, with box base & mirror type reflectors with fixing/ hanging material/ hardware.	70	NO					
48	Supply of CFL 2x36 watts with box base & vitrious enamelled reflectors with fixing/ hanging material/ hardware.	25	NO					
49	2x400W with lamp,control gear and all accessories.Model:Bajaj Equivalent of BJEF22CA.Approved makes Bajaj/Phillips/Crompton/GE(sodium vapour lamps)	40	NO					
50	1x400W with lamp,control gear and all accessories.Model:Bajaj Equivalent of BJEF15S.Approved makes Bajaj/Phillips/Crompton/GE(sodium vapour lamps)	20	NO					
51	Supply of 70 WATTS Bajaj make luminaire Model :BJFL 70SV with lamp or equivalent for outside all round illumination	20	no					
52	Supply of 3/4 " dia PVC conduit with bends/ tees/ ceiling roses with wooden base or boxes, fixing saddles/ clamps ECC tie wire etc.	1170	MTR					
53	Supply of 2.5mm Sqr. PVC wire for fixing of luminaries in open storage yard	150	metre					
54	Supply of Cable 3.5 core x 95 sqmm Aluminium 1.1 KV grade PVC Armoured	100	mtr					
55	Supply of cable 3.5 core x 70 sqmm Aluminium 1.1 KV grade PVC Armoured	100	mtr					
56	Supply of 3.5 core 25 sqmm PVC, armoured Aluminium cable of 1.1 KV grade. As per IS-1554.	1050	RM					
57	Supply of 1C x1.5 sqmm 650 V/ 1.1 KV grade PVC insulated copper wire.	3000	MTR					
58	Supply of 1Cx2.5 sqmm 650 V/ 1.1 KV grade PVC insulated copper wire.	1500	MTR					
59	Supply of 1Cx4 sqmm 650V/1.1 KV grade PVC insulated Copper wire	900	mtr					
60	Supply of straight thru joint kit for 1.1 KV (LT) cables.							
a)	3-1/ 2 core cables, 300 sqmm.	10	NO					
b)	3-1/ 2 core cables, 120 sqmm.	10	NO					
c)	3.5 core x 95 sqmm cables	10	NO					
d)	3.5 core x 70 sqmm cables	10	NO					
GRAND TOTAL PRICE FOR SUPPLY (IN RUPEES)								

**Note: 1. Grand total price for supply should match with Total amount at sl. no. 1 of summary price schedule .Or otherwise evaluation will be done on higher one where as awarding will be done on lower one.
2. Evaluation will be done exclusive of ED (For manufacturer /1st stage /2nd stage dealer)component in supply price schedule however awarding shall be done on overall L-1 price inclusive of ED (For manufacturer /1st stage /2nd stage dealer) component in supply price schedule combining all the three BOQs. For brought out items (ED +CST/VAT + FREIGHT) to be included in quoted price.**

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD, WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
1a.	Erection of PCC Poles :: Excavation (in all types of soil) including disposal of excess earth as per direction of engineer, for poles pit size 60 cms x 60 cms.x 1.5/1.8 Mtrs deep, erection of PCC poles [including supply & erection of anticlimbing devices] in true plumb, back filling the pit after erection with jhama brick bats of size 63 mm to 40 mm and down including watering, if necessary duly compacted in layers. The rate inclusive of excavation including disposal, supply of jhama bricks, labour, tools & tackles, etc all complete in the approved manner.	40	Nos.		
1b.	Erection of Rail Pole :Providing cement concrete foundation including excavation in all types of soil for poles pit size 60 cmsx 60 cms.x 1.8/2 Mtrs deep in 1:3:6 cement concrete (1 cement, 3 coarse sand, 6 graded stone aggregate 40 mm nominal size) including form work, concrete foundation of 200 mm all around the pole foundation and upto 20 cms above the ground level and tapered suitably into collar, height plinth duly plastered and with necessary curing and finishing, back filling etc. in the approved manner.	2	Nos.		
1c	Erection of Steel Pole (11m high),9.5m above ground and 1.5 m deep.Top dia 5"(approx) & bottom dia 9"(approx)	11	Nos.		
2	Dismantling Lighting (Steel) Poles from Budge Budge site ,transportation from Budge Budge site to DPL site,unloading of lighting poles at DPL site	11	Nos.		
3	Erection of stay set complete with turn buckle, stay rod, anchor plate, thimble, staty clamp, bow tightener, staty wire and strain insulator, clamps , hardware etc. as required in cement concrete 1:3:6 (1 cement : 3 Coarse sand ; 6 Graded stone aggregate 40 mm nominal size) in foundation including excavation in all type of soil and back filling etc. as required including supply of cement & all other civil materials.	53	sets.		
4	Erection of 11 KV pin type insulators complete with large steel head GI pins, nuts, washer etc. as required	150	Nos.		
5	Erection of 11 KV disc insulators for 11 KV overhead line with galvanised insulator fitting, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required	150	Nos.		
6	Erection of lightning arrester distribution class type, suitable for 11 kv over head lines complete with galvanised bolts, nuts, washers, fitting, etc. as required for 500KVA transformer	15	Nos.		
7	Installation of 11 KV DO fuse assembly complete with mounting base, hardware , clamps insulators, operating rod, terminal connector, etc.	5	Sets		
8	Installation of 11 KV out door type gang operated AB switch tripple pole 200 / 400 / 800 Amps rating with 3 post pin insulators per phase, bimetallic connector mounted horizontal or vertical position on provided cross arm with adequate length of G.I. Pipe for operating handle erected on extended square shaft. The operating handle provided with lock & key at suitable height from ground level with necessary clamps, hardware etc.	12	Sets		
9	Installation of Cradle type Cage gauard (along /across the road for 11 KV single circuit) shall run along the line made out of 6 SWG GI wire confirming to IS 2633 including netting, stretching and joining of cage including lacing by 10/12 SWG GI wire, binding by 14/16 SWG GI wire.	2	KM		
10	Installation of 15 mm G.I. Pipe 3 meter long for protection of earth wire lead to earth electrode with suitable clamping arrangment and hardware.	170	Mtrs.		

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD,WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
11	Installation [including welding, etc & supply of matching hardwares like nut, bolts, washers, etc] of GI strip size 50 x 6 mm for interconnecting the earth pits ion sub station, transformer netrual earthing etc.	250	Mtrs		
12	Installation of GI strip size 25 x 3 mm [including welding, etc & supply of matching hardwares like nut, bolts, washers, etc] for earthing AB swtich, DO fuse assembly etc,	125	Mtrs.		
13	Installation of GI pipe 50 mm dia including clamps, hardware etc.	20	Mtrs.		
14	Installation of GI pipe 75 mm dia including clamps, hardware etc.	20	Mtrs.		
15	Laying below ground in excavated trench (as per specification) of CC spun pipe of 300 mm dia. Wherever cable laid through pipe for road crossing purpose.	10	Mtrs.		
16	Installation of 3/4" PVC Flexible pipe	100	MTR		
17	Installation of 40mm dia (OD) GI pipe for Fitting luminaires	40	mtr		
18	Installation of earth electrode 40 mm dia. 3 metre long GI pipe directly driven into earth including earth excavation if required..	36	Nos.		
19	Installation of earthwire 6.09 mm dia including supply of clamps, cleats, etc	450	metre		
20	Erection of Earth Spike	80	No		
21	Installation of 8 SWG GI wire earthing.	600	mtr		
22	Installation of 16 SWG GI earth contuinity wiring.	3300	mtr		
23	Fixing of HT danger notice plate on tubulat pole / DP structure of size 250 mm x 200 mm x 2 mm thk., made of mild steel plate painted with vitreous enamelled white on both side and inscription in Red colour on front side as required.	50	Nos.		
24	Fixing of sheet metal (16SWG) iron clad busbar chamber(W=500mmxD=150mm) on angle iron frame duly painted on wall with 4 Al bars (25mmx5mmx600mm) 500V, with adequate nos of holes drilled for connection of incomimg & outgoing ckts, bars are fixed on porcelain insulators including supply of required hardwares for connection, fitted with DANGER board all complete.	5	NO		
25	Making the earth pit as per IS 3043 including earth/ massonary work, (size of electrode 50 mm dia. G.I. Pipe, 3 Meter long, class 'B'). Pit shall be filled with alternative layer of charcoal & salt. GI Pipe shall be with funnel with wire mesh for watering. Mansonry block C.I.cover coplete as per IS. All the earth pits are to be inter connectecd with GI strip of size 50x6 mm including all the material arranged by the contractor.	10	Nos.		
26	Installation of 5/ 6 A piano type switch.	150	NO		
27	Installation of 5/ 6 A flush type power socket.	80	NO		
28	Installation of Fuse - 5Amps / 6 amps	41	no		
29	Installation of 15/ 16 A piano type switch.	44	NO		
30	Installation of 15/ 16 A flush type power socket.	41	NO		
31	Installation of 15/16 amps fuse & socket combined switch	22	no		
32	Installation of 70 WATTS Bajaj make luminaire Model :BJFL 70SV with lamp or equivalent for outside all round illumination	20	no		
33A	Installation of 2x400W HPSV luminaire with lamp, control gear and all accessories	40	no		
33B	Dismantling of 800W HPSV luminaire set from Budge budge,transportation to DPLsite and unloading at DPL site	60	no		

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD,WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
34	Insatllation of 1x400W luminaire with lamp, control gear and all	20	no		
35	Installation of Fluorescent 2x 36 W decorative false ceiling type, with box base & mirror type reflectors with fixing/ hanging material/ hardware.	70	NO		
36	Installation of Fluorescent 2x 36 watts with box base & vitrious enamelled reflectors with fixing/ hanging material/ hardware.	25	NO		
37	Stringing ACSR conductor of size "Dog" conductor [6/4.72 mm Al + 7/1.57 mm Steel] for over head line with stringing binding with proper size of aluminium conductor, jumpering and suitable size of P.G. clamps for jumpering from overhead lines to lightning arrestors/ AB switch/ DO fuse assembly and transformer HT terminal as per the arrangement, etc. as required. [Rate inclusive of supply of accessories]	2000	Mtrs.		
38	Laying of cable which includes excavation of trench in all kind of soil,laying below ground providing sand layer below/above the cable ,brick lining both sides and above the cable and back filling as per specification				
i)	1.1KV LV grade PVC LT Cable				
a)	3.5CX300sqmm	750	Mtrs.		
b)	3.5CX120sqmm	750	Mtrs.		
c)	4CX6sqmm	1750	Mtrs.		
ii)	6.6 KV grade PVC HT Cable				
a)	3Cx150 sqmm	500	Mtrs.		
iii)	11KV grade XLPE HT cable				
a)	3C-120sqmm	500	Mtrs.		
39	Laying of cable on existing structure ,wall , floor etc providing support				
i)	1.1KV LV grade PVC LT Cable				
a)	3.5CX300sqmm	750	Mtrs.		
b)	3.5CX120sqmm	750	Mtrs.		
c)	4CX6sqmm	1750	Mtrs.		
ii)	6.6 KV grade PVC HT Cable				
a)	3CX150 sq mm	500	Mtrs.		
iii)	11KV grade XLPE HT cable				
a)	3C-120sqmm	500	Mtrs.		
40	Termination of cablearmoured cables including glanding,drilling the hole in gland plate & making termination with double compression cable gland and aluminium lugs for aluminium armoured cable (including supply of cable glands (COMET make /equivalent) and aluminium lugs(DOWEL/UML/equivalent make)				
i)	1.1KV LV grade PVC LT Cable				
a)	3.5CX300sqmm	40	NOS		
b)	3.5CX120sqmm	20	NOS		
c)	4CX6sqmm	20	NOS		
d)	3.5CX25sqmm	20	NOS		
e)	3.5CX70sqmm	20	NOS		
f)	3.5CX95 sqmm	20	NOS		
41	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPLsite & unloading at DPLsite of 6.35/11KV HT cable laid on tray /buried .				
a)	3CX150sqmm	150	MTR		
42	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPLsite & unloading at DPL site of LT buried cable				
a)	3.5CX300 sqmm	100	MTR		

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD, WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
43	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPLsite & unloading at DPLsite of LT cable buried /on existing structure or wall or floor/lying in open.				
a)	3.5CX240sqmm	1050	MTR		
44	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPLsite & unloading at DPLsite of LT cable buried /lying open on ground/existing structure or wall				
a)	3.5CX150 sqmm	200	MTR		
45	Dismantling from Budge Budge site ,transportation from Budge Budge site to DPLsite & unloading at DPLsite of 6.35/11KV HT cable buried /lying open on ground/existing structure or wall				
a)	3CX185 sqmm	950	MTR		
46A	Erection of Indoor termination including supply of heat shrinkable termination kit of apporved make for 11KV HT XLPE Cable	5	NOS		
46 B	Erection of Outdoor termination including supply of heat shrinkable termination kit of approved make 11KV HT XLPE Cable	5	NOS		
46C	Erection of Indoor termination including supply of heat shrinkable termination kit of apporved make for 6.6KV HT PVC Cable	2	NOS		
46D	Erection of Outdoor termination including supply of heat shrinkable termination kit of approved make 6.6 KV HT PVC Cable	6	NOS		
47	Installation of 3/4 " dia PVC conduit with bends/ tees/ ceiling roses with wooden base or boxes, fixing saddles/ clamps ECC tie wire etc.	1170	MTR		
48	Installation of 3.5 core 25 sqmm PVC, armoured Aluminium cable of 1.1 KV grade. on existing structure ,wall , floor etc providing support /clamps etc .	1050	RM		
49	Installation of cable 3.5 core x 70 sqmm Aluminium 1.1 KV grade PVC Armoured on existing structure ,wall , floor etc providing support /clamps etc	100	mtr		
50	Installation of Cable 3.5 core x 95 sqmm Aluminium 1.1 KV grade PVC Armoured on existing structure ,wall , floor etc providing support /clamps etc	100	mtr		
51	Installation of 1C x1.5 sqmm 650 V/ 1.1 KV grade PVC insulated copper wire.	3000	MTR		
52	Installation of 1Cx2.5 sqmm 650 V/ 1.1 KV grade PVC insulated copper wire.	1500	MTR		
53	Installation of 1Cx4 sqmm 650V/1.1 KV grade PVC insulated Copper wire	900	mtr		
54	Installation of 2.5mm Sqr. PVC wire for fixing of luminaries in open storage yard	150	mtr		
55	Installation of Calling Bell	16	no		
56	Installation of Push button switch for call bell (box type)	33	no		
57	Dismantling from Bakreswar site ,transportation to DPL site and unloading at DPL site				
a)	500 KVA transformer ,11/0.433KV	2	Nos		
b)	250 KVA transformer ,11/0.433KV	1	No		

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD, WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
58	Erection ,testing and commisioning of 11/0.415KV transformer, including assembly of loose supplied accessories, oil filling,drying out/oil filtration etc				
a)	1000 KVA transformer	1	No		
b)	500KVA transformer	5	Nos		
c)	250KVA transformer	1	Nos		
59	Dismantling of " Package substation" at Budge Budge site including incoming HTcable ,transportation from Budge Budge site to DPL site,unloading at DPL site & re-erection and commissioning at DPL site.The rate inclusive of labour,tools& tackles all complete in approved manner	1	No		
60A	Installation, testing and commissioning of LT distribution out door kiosk with all the provision as per specification.				
a)	a] Type - A (Incomer 800 Amps, Outgoing 400 Amps - 2 Nos., Outgoing 200 A - 1 No & Outgoing 100 Amps - 2 Nos.)	6	Nos.		
60B	Dismantling from Budge budge site ,transportation to DPL site and unloading at DPL site of LT distribution outdoor Kiosk				
	a] Type - A (Incomer 800 Amps, Outgoing 400 Amps - 2 Nos., Outgoing 200 A - 1 No & Outgoing 100 Amps - 2 Nos.)	4	Nos.		
60C	Dismantling from Budge budge site ,transportation to DPL site and unloading at DPL site of LT distribution outdoor Kiosk				
	a] Type - A (Incomer 2500 Amps, Outgoing 630 Amps - 2 Nos., Outgoing 400 A - 1 No ,Outgoing 100 Amps - 4 Nos,Outgoing 63 Amps-1 no]	4	Nos.		
61	Fixing of luminaries/lights on rail/PCC poles with suitable fixtures/hardwares and wiring thereon in open storage (Necessary luminariaries,hardwares,wires etc. shall be supplied by BHEL free of cost)	36	Nos.		
62	Fabrication, installation of various structural members such as cross arms, top adaptors, etc for poles, straight line DP structure/ sub-station DP structure/ DP structure for Line Tap-Offs, bracings member , clamps, bracket for gaurd wire or any other fabrication if required and not specified elsewhere in the tender specification etc; including supply of required matching hardwares and painting of one coat of red oxide & two coats of aluminium paint. This also includes the fabrication of other items as required.	8	MT		
63	Installation of 200 amps indoor 415V 3 ph 4 wire type TPN wall mounted busbar with Incoming 250 A isolator & 5 nos outgoing main switch - 63 A complete with all wiring & terminations, mounting frames etc.	1	no		
64	Installation of MCB distribution board with sheet metal enclosure front cover, indoor type, Incoming 32 Amps TP MCB, outgoing 6 nos. 16 Amps SP MCBs (per phase) complete with internal TPN bus bars.	3	no		
65	Installation of MCB distribution board with sheet metal enclosure front cover, indoor type, Incoming 100 Amps TP MCB, outgoing 6 nos. 32 Amps SP MCBs (per phase) complete with internal TPN bus bars.	5	no		
66	Installation of Switchboard wooden 150x100 mm with matching cutouts and interconnections.	51	NO		
67	Installation of Switchboard wooden 200x300 mm with matching cutouts and interconnections.	60	NO		

**VOLUME-III
PRICE SCHEDULE , REV-01**

JOB: SUPPLY, RECEIPT AT SITE, HANDLING, TRANSPORTATION FROM STORE / STORE-YARD TO ERECTION SITE, ERECTION, TESTING AND COMMISSIONING OF EQUIPMENTS AND SYSTEMS FOR CONSTRUCTION POWER DISTRIBUTION SYSTEM INCLUDING OBTAINING CLEARANCES FROM VARIOUS AUTHORITIES AS WELL AS O&M WORK FOR 1X250 MW , DURGAPUR TPS LTD, WEST BENGAL

TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
68	Installation of Indicator lamp for Switchboard (Anchor / Pritam)	41	no		
69	Installation of local make approved quality Exhaust fan with louvers - 12 "	6	NO		
70	Installation of local make approved quality Pedestal fan - 16" sweep.	55	NO		
71	Installation of 30m high lighting mast complete with accessories such as head frame, steel wire, trailing cable, double drum winch galvanized lantern carriage, luminaries and their control gear boxes (16 Nos of 2X400W)	6	NOS		
72	Fixing from roof truss with suitable clamp arrangement, flexible wire for connection between ceiling rose & fitting and commissioning of type HPSV luminaries medium bay industrial type, model BJMBI-150SV of BAJAJ or equivalent of PHILIPS / CROMPTON.	180	NO		
73	Deleted	0	NO		
74.1	Erection of straight thru joint kit for 1.1 KV (LT) cables.				
a	3-1/ 2 core cables, 300 sqmm.	10	NO		
b	3-1/ 2 core cables, 120 sqmm.	10	NO		
c	3.5 core x 95 sqmm	10	NO		
d	3.5 core x 70 sqmm	10	NO		
74.2	Erection of straight thru joint kit for 6.6 KV (HT) cables.				
a	3CX150 sqmm	2	NO		
75	FOUNDATION FOR TRANSFORMERS AND ACDBs, KIOSKS, LIGHTING				
a	EARTH WORK EXCAVATION UPTO 0 TO 2 M DEPTH IN ALL KINDS OF SOIL FOR FOUNDATION AND BACKFILLING.	200	CUM		
b	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE STONE AGGREGATE FOR FOUNDATION, INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY ENGINEER. THE RATE INCLUSIVE OF SUPPLY OF CEMENT(AND OTHER CIVIL MATERIALS.CEMENT (OPC/PPC/PSC) TO BE SUPPLIED BY THE BIDDER AND SHALL BE OF BRAND LAFARGE/ACC/GRASIM/ULTRATECH/INDIA CEMENTS	15	CUM		
c	BRICK WORK IN CM 1:6 (MIN. STRENGTH 35KG/SQ.CM) FOR FOUNDATION, INCLUDING PROVIDING BRICKS & ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AND AS DIRECTED BY ENGINEER	60	CUM		
d	PROVIDING & FILLING IN WITH SAND ETC. AND COMPACTION COMPLETE,AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY ENGINEER.	90	CUM		
e	PROVIDING AND LAYING RCC OF MIX 1:2:4 USING 20MM DOWN SIZE STONE AGGREGATE INCLUDING MECHANICAL MIXING, VIBRATION, CURING, FORM WORK AND POCKETS, ETC AS DIRECTED BY ENGINEER BUT EXCLUDING COST OF REINFORCEMENTS FOR FOUNDATION. (REINFORCEMENT STEEL TO BE SUPPLIED BY THE BIDDER AND SHALL BE FE 580 CONFORMING TO IS1786 OF MAKE SAIL/TISCO/RINL/ADHUNIK/SHYAM)	10	CUM		

**VOLUME-III
PRICE SCHEDULE , REV-01**

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TENDER NO. PSER:SCT:DPL-E1127:10

ERECTION OF 11 KV OVER HEAD LINE , EQUIPMENTS & ACCESSORIES { SECTION B (i) }

Sl. No.	Description of Items	Qty	Unit	Rate	Total Amount (In Rs)
f	PROVIDING AND PLASTERING 12 MM THK ON THE EXPOSED SURFACE WITH CEMENT MORTAR 1:6 OVER BRICKWORK AND CONCRETE SURFACES, INCLUDING PREPARING THE SURFACE, RAKING JOINTS, SCAFFOLDING, CURING, COST OF ALL MATERIALS, LABOUR ETC. COMPLETE.CEMENT (OPC/PPC/PSC) TO BE SUPPLIED BY THE BIDDER AND SHALL BE OF BRAND LAFARGE/ACC/GRASIM/ULTRATECH/INDIA CEMENTS)	145	sqm		
g	PROVIDING AND FIXING OF REINFORCEMENT INCLUDING CUTTING, BENDING AND FABRICATION OF REINFORCEMENT USING HIGH TENSILE TOR STEEL AS DIRECTED BY ENGINEER INCLUDING COST OF ALL LEADS, LIFT AND MATERIALS, LABOUR AND MS BINDING WIRE 18/20 GAUGE ETC. COMPLETE.STEEL REINFORCEMENT TO BE SUPPLIED BY BIDDER SHALL BE FE 580 CONFORMING TO IS1786 AND OF MAKE SAIL/TISCO/RINL/ADHUNIK/SHYAM)	1	MT		
h	SUPPLY, FITTING & FIXING OF INSERTS/EMBEDMENTS LIKE CHANNEL, ANGLE, RAILS, PLATES, ETC CONFORMING TO IS 2062 ALL COMPLETE AND SECONDARY GROUTING (1:1:2) IF REQUIRED OVER THE RCC. THE RATE INCLUSIVE OF COST OF ALL MATERIALS.	0.5	MT		
GRAND TOTAL PRICE FOR E&C (in Rupees)					
75	MAN POWER SERVICE FOR OPERATION & MAINTENANCE OF THE				
a	Supervisor experienced in 33/ 11KV substation & overhead line maintenance {on lumpsum monthly pay basis, with paid weekly off & 10 + 2 (optional) holidays in a calender year.	25	MAN-MONTH		
b	Skilled electrician having experience in 33/ 11KV substation & overhead lines (minimum 5 years experience or ITI with one year experience) alongwith necessary tools, insulation tapes as required for the work [8 hrs shift per day, with paid weekly off & 10 + 2 (optional) holidays in a calender year.	75	MAN-MONTH		
c	Semiskilled electrician/ helper (minimum 3 years experience) alongwith necessary hand tools & miscellaneous consumables like insulation tape/ emery papers/ drill bits etc as required for the work [8 hrs shift per day, with paid weekly off & 10 + 2 (optional) holidays in a calender year].	100	MAN-MONTH		
d	Unskilled helper alongwith hand tools as required for the work [one shift of 8 hrs per day, with paid weekly off & 10 + 2 (optional) holidays].	100	MAN-MONTH		
GRAND TOTAL PRICE FOR MANPOWER SERVICE FOR O&M					
Note	GRAND TOTAL PRICE FOR E&C should match with Total amount with sl. 2 of summary price schedule & GRAND TOTAL PRICE FOR MAN POWER SERVICE FOR O&M should match with Total amount with sl. 3 of summary price schedule. Or otherwise evaluation will be done on higher one where as awarding will be done on lower one.				

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
Power Sector - Eastern Region,
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Supply, Erection, Testing, Commissioning of equipment/ systems and Stabilization/ Maintenance work for construction power distribution system including obtaining clearances from various authorities for 1X250 MW Durgapur Project Ltd.	
Ref	1.0	Tender no PSER:SCT:DPL-E1127:10.
	2.0	BHEL's NIT, vide reference no Ref: PSER:SCT:DPL-E1127:10 Dated 20/09/10
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:DPL-E1127:TCN-01, dated 06/10/10.
	4.0	Other references (if any).

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the bidder)