

PIMPRI CHINCHWAD NEW TOWN DEVELOPMENT AUTHORITY,
NEAR AKURDI RAILWAY STATION, PUNE-44

COMMON SET OF DEVIATION

Name of work :-Construction of Play grounds in various sectors

E -TENDER NOTICE NO 16 FOR 2013-14 (Common for E Tender No. 39, 40, 41, 42, 43, 44,45)

Common set of deviation/ clarification based on pre-bid conference held in the office. The Chief Executive Officer , PCNTDA on 06/02/2014 @ 11:00 hrs to be read with the tender and to be treated as part of the tender. This will be part and partial of tender document.

(Part I :- Clarification)

Sr. No.	Queries Raised by	Reference	Queries/request raised by Bidders	Clarifications
(1) i	M/s BVG India Ltd,	Chapter-I ClauseNo 5.8	Eligibility Criteria for Technical Experience for Bidder :- Requested to consider up to 50% estimated cost put to tender	NIT prevails
ii		Chapter-I Clause No 5.9 (i)	Requested to consider the construction of play ground, club house, Tennis court, Scatting ring etc. other sports activity under the work name Garden Development in Govt./Semi Govt/Local Bodies	NIT prevails
iii		Drawing	There are no any Drawing details shown in tender, requested to provide us	Drawings are available in Tender Document.
iv			Addl. DD as per requirement of Addl, Condition for mobilization of plant Requested , ple clarify about Mobilazation of plant, become this type condition are made for road construction work for erection of asphaltting plant	Mobilisation plant not required so DD not required for the same
v		Schedule B Item No. 4.13	S & E Strip, Rate/Kg for Tender No, 5 is Rs, 7055/- And Tender No, 4 is Rs. 100/- Request to clarify the actual rate for same item	S & E GI strip, rate/ kg for tender no. 5 is written as Rs. 7055/-, Which should be read as Rs. 100/-
vi		Schedule B ItemNo4.12	There are not metioned items rate, but total amount of items is mentioned, so request it that pl clarify	Tender No. 5, Schedule B electrical works, rate for Item No. 4.12 was not written, It shall be read as Rs. 1786/-
Vii (a)		Form No. 1	Age of Machinery is not more than 5 years as on 31/03/2012 Generally good working condition machinery life was 10 years, so we request is that pl consider the life of machinery up to 10 years old as on 31/03/2012	Age of Machinery is not more than 5 years as on 31/03/2014

(b)		Form No, 1	Sr. No. 2 Motor grader should own Machinery Request to accept the Machinery "Motor Grader" was appoint to this work on lease/rent basis instead of Own Machinery.	Sr. No. 2 rented or leased Motor Grader will be allowed.
(c)		Form No. 1	Sr. No. 3 Pneumatic Tyred roller should own Machinery Requested to accept Vibratory roller or Pnematic Tyred roller on Lease basis/own for this work	Sr. No. 3 rented or leased Motor Grader will be allowed.
viii			Site Availability It is also requested to confirm the 100% availability of site to immediate start the work.	NIT prevails
(2)	M/s B.K . KHOSE	Chapter - Condition no.13(14)	As per Detailed tender notice condition no.13 (or 14) states, the controversy, i.e.each contractor can bid only one work and similarly any contractor can bid to only two projects. Please clarify , what to say ? In this matter, we request you to allow all the contractors to bid any or all the bids, please and to avoid the over loading of work to some one contractor, it can be restricted by allotting only one work or two work to each contractor, by opening tenders serially. If the contractor success in the bid(or lowest) of work No. 1, 2 or 3 etc., serially, their next tender will not be opened, So , that everybody will get the chance to participate, all the tenders and opportunity to getting the work. As this is in practice in other government & semi government department like PCMC,PWD,UOP etc.	1)All the works pertaining to construction of compound wall as notified in Tender notice No. 18 & 21 for 2013-14 shall be opened in a sequence. Such sequence of work shall be arranged in descending order as per the cost put to tender. 2)Contractor can submit tenders for more than one work but PCNTDA, will allot maximum two works considering contractors balance available bid capacity and lowest offer

Contractor

EE – (Electrical)

EE (A),

Superintending Engineer

CAFO

CEO

ADDENDUM AND CORRECTIONS

E -TENDER NOTICE NO. 16 FOR 2013-14 (E Tender No. 39, 40, 41, 42, 43, 44, 45)

Name of work :-Construction Playground and Hawkers Zone In Various Sectors

Common set of deviation/ clarification based on pre-bid conference held in the office. The Chief Executive Officer , PCNTDA on **06/02/2014 @ 11:00** hrs to be read with the tender and to be treated as part of the tender. This will be part and partial of tender document.

Sr. No.	Clause As per NIT	Read As
1	Sector No 19, Playground Schedule B, Item - Supplying Erecting Metal Halyde lamp double ended, 230V, 70 Watt Rate Rs. 263.00 Amount Rs 3681.3	Sector No 19, Playground Schedule bB, Item - Supplying Erecting Metal Halyde lamp double ended, 230V, 70 Watt Rate Rs. 677.00 Amount Rs 9478/-
2	Liaisoning Work for gettign approval to the electrical installations done as per above and permission to charge the installation for commercial use from MSEDCL and PWD electrical inspector, Amount Rs 75000/-	Liaisoning Work for gettign approval to the electrical installations done as per above and permission to charge the installation for commercial use from MSEDCL and PWD electrical inspector, Amount 69204/-
3	For sctor no 4 / 9/10/19/28 Schedule B Electrical Work Lionsioning work and MSEDCL supervision charges	For sctor no 4 / 9/10/19/28 Schedule B Electrical Work Lionsioning work and MSEDCL supervision charges will be reimbursed against actual payment receipts .

Contractor

EE – (Electrical)

EE (A),

Superiteding Engineer

CAFO

CEO

PIMPRI CHINCHWAD NEW TOWN DEVELOPMENT AUTHORITY,
NEAR AKURDI RAILWAY STATION, PUNE-44

CSD , ADDENDUM AND CORRECTIONS
E -TENDER NOTICE NO. 16 FOR 2013-14 (E Tender No., 43)

Name of work :-Construction Playground In Sectors 28

Common set of deviation/ clarification based on pre-bid conference held in the office. The Chief Executive Officer , PCNTDA on **06/02/2014 @ 11:00** hrs to be read with the tender and to be treated as part of the tender. This will be part and partial of tender document.

Sr. No.	Clause As per NIT	Read As
1	Sector no 28, Schedule B, Electrical Works Page No. 137 to Page No. 147	Page No. 137 to Page no. 147 are corrected and are attached as separate sheet.

Contractor

Executive Engineer

Superintending Engineer

CAFO

CEO

Corrected pages for Page No. 137 to Page No. 147 – Sector NO. 28, playground, Electrical Works- Schedule B (e-Tender No. 43)

	300.00	350mm wide BBM Channel, 400mm RCC grating		Meter	2,613.00	Rs. Two thousand Six hundred & thirten only	783,900
33	2.00	Supply and installing Rain Water Harvesting Pit - 1.5m dia up to 2400 mm deep, bottom 200 mm filled with stone boulders of size range 5 cm to 20 cm, in recharge pit, over which 200mm gravels of size range 5 mm to 10 mm, over which 200mm coarse sand of size range 1.5 mm to 2 mm in recharge pit, over which upper most level of 200mm gravel fine/ medium/ coarse. RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four no longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, The top 600 mm shall be left open, with RCC grated cover on top. All work Complete as per direction of the Engineer-in-Charge.	(Rate Analysis from DSR items)	Nos	23,188.00	Rs. Twenty three thousand one hundred & eighty eight only	46,376.00
		Total C-d C/F to summary					1,064,495
						TOTAL C	1549119.00
D		Electrical Work					
Sr No	Qty	Description	CSR No	Unit	Rate Rs.	Amount in Rs	
					In figurs	in words	
		Part I : Power Distribution Works :					
		Main Panel shall be comprising of :					
1	1	Providing & erecting 3 Pole MCCB of 200A. capacity with S.C. rating of 25 kA,thermal and magnetic setting with provided leads on iron frame/laminated board as per specification No. SW-SWR/MCCB	5.5.2	No.	11,400.00	Eleven thousand four Hundred only	11,400.00

		Indication on the incomer :					
2	3	Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc.	6.5.7	No.	258.00	Two hundred fifty eight only.	774.00
3	1	Supplying and erecting Static Energy meter 440-V 50 cycles A.C. 3 phase 4 wires 50A ISI mark meter with LCD/LED Display complete erected on polished T.W. board duly wired with required size of weather proof PVC wires duly tested for class II accuracy by electric supply company.	6.3.4	No.	5,604.00	Five thousand six hundred four only.	5,604.00
4	1	Providing and erecting Analog type moving iron Ammeter for A.C current CT operated of suitable size in scale between 0 to 1000A, 500V accuracy class 1.5, flush type; on provided box /panel and connecting with provided CTs and necessary PVC wire leads and lugs.	6.3.8	No.	804.00	Eight Hundred four only	804.00
5	1	Providing and erecting Analog type moving iron voltmeter for A.C Voltage 0 to 500V range, 50Hz, Accuracy class 1.5, flush type; on provided box / panel and connected with necessary PVC wire leads and lugs.	6.3.6	No.	747.00	seven Hundred forty sven only.	747.00
6	2	Providing and erecting Selector Switch suitable for Voltmeter/Ammeter for 3 phase A.C supply 500V, 50Hz, on provided box/ panel and duly connecting with necessary PVC wire leads and lugs.	6.5.1	No.	587.00	Five Hundred eightyseven only	1,174.00
		Outgoing :					
7	6	Supplying, erecting & marking TPN MCB 63A, Cseries in provided distribution board as per specification No. SW-SWR/MCB	5.3.19	Nos.	1,512.00		9,072.00
8	1	Providing & erecting Floor mounting, MCCB Panel board suitable for Four Pole Incoming 200/250A, 6 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	5-7-3	Set	41,144.00	Forty one thousand one hundred forty four only	41,144.00
		Busbar :					
9	2	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars , 500V 200A complete as per specification no. CP-BB	6-2-2	M	3,871.00	Three thousand eight hundred seventy one only	7,742.00

		Internal Wiring Work :					
10	50	Supplying & erecting mains with 2x2.5 sq.mm F.R stranded/solid copper PVCinsulated wire laid in provided conduit/trunking/inside pole/Bus bars or any otherplaces. as per specification No: WG-MA/BW	1.3.3	M	50.00	Fifty only	2,500.00
11	24	Supplying & erecting mains with 4x25 sq.mm F.R L.S stranded/solid copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	1.3.22	M	921.00	Nine hundred twenty one only.	22,104.00
12	15	CRCA sheet 1.6mm (16 gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	6.1.3	Sq. m	1,913.00	one thousand nine hundred thirteen only	28,695.00
		Distribution Boards with Switchgear :					
13	4	Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted SP (36 Poles)/TP (12 Poles) MCB of 4 ways (36 Poles) on iron frame/laminated board (Vertical Busbar type) as per specification No. SW-SWR/MCBDB	5.4.4	No.	4,037.00	Four thousand thirty seven only.	16,148.00
14	10	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 12 ways for outgoing SP MCB's on iron frame/laminated board as per specification No. SW-SWR/MCBDB	5.4.16	Nos.	1,099.00	One thousand ninety nine only.	10,990.00
		DB Incomer Feeders :					
15	4	Supplying, erecting & marking FPMCB 63A in provided distribution board as per specification No. SW-SWR/MCB	5-3-17	Nos.	1,584.00	One thousand five hundred eighty four only.	6,336.00
16	12	Supplying, erecting & marking DPMCB 6A to 32A, C- series (formotor/power) in provided distribution board as per specification No. SWSWR/MCB	5.3.6	Nos.	551.00	Five hundred fifty one only.	6,612.00
		DB Outgoing Feeders :					
17	216	Supplying, erecting & marking SPMCB 6A to 32A, Bseries (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	5.3.3	Nos.	165.00	One hundred sixty five only.	35,640.00

		EARTHING :					
18	4	Supplying and erecting Galvanised cast iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification No. EA-EP	9.1.1	Nos.	1,972.00	One thousand nine hundred seventy two only.	7,888.00
19	30	Supplying and erecting G I strip of required size used for earthing on wall and/or any other purpose with necessary copper clamps fixed on wall painted with bituminous paint in an approved manner with joints required. as per specification No (EA-EP)	9.2.3	Kg.	100.00	One hundred only.	3,000.00
20	25	Supplying and erecting pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification No. EAEP	9.1.5	Nos.	798.00	Seven hundred ninty eight on only	19,950.00
		Part II : L.T. CABLES & TERMINATIONS :					
21	300	Supplying & erecting PVC armoured cable 4 core 16 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	7-2-12	Mtr.	743.00	Seven seven hundred forty three only.	2,22,900.00
22	400	Supplying & erecting PVC armoured cable 4 core 4 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	7.2.9	Mtr.	270.00	Two hundred seventy only.	1,08,000.00
		Terminations :					
23	35	Providing & erecting epoxy outdoor/indoor end termination kit for LT PVC armoured cable 2.5 to 16 sq.mm. cable, with necessary material as per specification No. CB-JT/LT	7.4.8	Nos.	328.00	Three hundred twenty eight only.	11,480.00
		Part III : Electrical Fixtures & Poles :					
		Supply & Installation of following Electrical Fixtures :					
		Mains Wiring Work :					
24	400	Supplying & erecting mains with 2x2.5 sq.mm.and earth wire 2.5 sqmm FR PVC copper wire, in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	1.6.3	M	110.00	One hundred ten only	44,000.00

		Point wiring :					
25	100	Point wiring in for light/fan/bell 20 mm PVC conduit with 1.0 sqmm FRLS grade Copper wire with flush type switch and required accessories as per specification No: WG-PW/SW & complete with modular switches.	1.9.4	No.	699.00	six hundred ninety nine only	69,900.00
26	15	Supplying & fixing Anchor type fastener Fan hook , with 2 Nos of 10 mm dia x 75 mm long with necessary materials for Ceiling Fan.	2-7-2	No.	69.00	Sixtynine only	1,035.00
27	15	Supplying and erecting electronic type step regulator complete erected on provided switch board.	2-7-12	No.	200.00	Two hundred only.	3,000.00
28	25	Point wiring for independent plug / Exhaust Fan / Half Point in 20 mm PVC conduit with 1.0sqmm FRLS grade Copper wire with flush type switch and required accessories as per specification No: WG-PW/SW & complete with modular switches.	1.9.8	No.	462.00	Four hundred and sixty two only.	11,550.00
		16 A Power Point :					
29	300	Supplying & erecting mains with 2x2.5 sq.mm.and earth wire 2.5 sqmm FRLS PVC copper wire in rigid PVC conduitmin.20mm dia. as per specification No: WG-MA/PC, para no. 1.4.1	1.6.4	M	114.00	One hundred fourteen only	34,200.00
30	30	Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	1.8.2	Nos.	126.00	One hundred twentysix only	3,780.00
31	30	Supplying and erecting modular type 6 / 16A combined unit ISI mark approved make duly erected on provided plate and box with wiring connections complete.	1.8.13	Nos.	110.00	One hundred ten only	3,300.00
32	30	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner	1.8.37	No.	190.00	One hundred ninety only	5,700.00
		Ceiling Fan					
33	15	Supplying and erecting Ceiling fan of 1200 mm. sweep complete erected in position as per specifcation no. FG-FN/CF	2.6.3	Nos.	1,567.00	One thousand five hundred sixtysseven	23,505.00

						only.	
		Exhaust Fan					
34	15	Supplying and erecting fresh air cum Exhaust fan of light duty 250 V A.C. 50 cycles 225mm. 1400 RPM metallic body, plastic blades, wire mesh, duly erected in an approved manner and marking Sr. No. and date of erection.	2.6.15	Nos.	1,454.00	One thousand four hundred fifty four only	21,810.00
35	25	Supplying and erecting modular type 3 pin 6A socket ISI mark approved make duly erected on provided plate and box with wiring connections complete. The piping work shall be routed in the furniture.	1-8-10	Nos.	114.00	One hundred fourteen only.	2,850.00
36	70	Supplying and erecting PVC Surface modular switch box with double mounting plate for 3 module duly erected in an approved manner.	1.8.29	No.	148.00	One hundred forty eight only.	10,360.00
37	30	Supplying and erecting PVC Surface modular switch box with double mounting plate for 6 module duly erected in an approved manner.	1-8-31	No.	222.00	Two hundred twenty two only.	6,660.00
38	70	Supplying & erecting 1x28W T-5 Energy Efficient Retrofit/ Stand alone Fluorescent Tube light Fitting (EETLF) box type complete with Electronic Ballast having pf > 0.98 & THD <10 and lamp holders duly wired ready to use for 230 Volts, 50 Hz. Single phase AC Supply to IS: 10322 as per quality requirements and erected on varnished wooden blocks with flexible wire twin core 24/0,2mm.and marking Sr. No. and date of erection.	2.2.38	Nos.	1,093.00	One thousand ninety three only.	76,510.00
39	25	Supplying & erecting integral post top lantern fixture similar to JUNO type for 70/150W MH lamp consisting of brown painted LM 6 alloy cylindrical spigot,decorative acrylic bowl supported by spun aluminum top cover complete with accessories such as copper wound choke and condensor housed within the lantern with necessary wiring	2.3.30	Nos.	8,051.00	Eight thousand fifty one only.	2,01,275.00
		Lamps :					
40	70	Supplying & erecting T5 28W Energy efficient fluorescent tube.	2.1.11	Nos.	136.00	One hundred thirty six	9,520.00

						only.	
41	25	Supplying & erecting Metal Halide lamp,double ended, 230V,70W.	2.1.30	Nos.	677.00	Six hundred seventyseven only.	16,925.00
42	25	bracket	8.3.8		2,145.00	Two thousand one hundred forty five only.	53,625.00
43	25	pole boxes	7.8.9		520.00	Five hundred twenty only.	13,000.00
44	25	4 Mtr. Height pole	8.3.11	Nos.	7,055.00	Seven thousand fifty five only	1,76,375.00
		External Electical Works					
45	1	Supplying and Erecting approved make 100 kVA ,3 phase, 50 c/s Oil immersed and naturally cooled indoor / outdoor type, copper wound transformer with delta conn. on HV side & star connection on LV side with additional neutral brought out on load side, voltage rating 22 / 0.433kV with HV tapping of +/- 2.5% - 5 % continuously rated for full load with standard accessories complete with Test Certificate with losses 1717 watts at full load as per IS 2026.) as per specification No SS- TR.	10.1.10	Nos.	1,19,284.00	One lakh nineteen thousand two hundred eighty four only.	1,19,284.00
46	20	Supplying and erecting Rolled steel Joist (Girder) pole 152 x 152 mm(37kg/m) with provided base plate in provided foundation as perspecification No. OH-PL/RSJ	8.1.12	Mtr	2,155.00	Two thousand one hundred fifty five only	43,100.00
47	2	Supplying and erecting G.I. stay set for poles, including loop insulators at inaccessible height complete with anchor plate 300 x 300 x 6 mm., straining screws, G.I. stay wire 7/8 SWG, G.I. stay rod 20 mm x 1.8 m length and pole clamps duly erected in provided cement concrete	8.7.2	Nos.	1,642.00	One thousand six hundred fortytwo	3,284.00

		foundation				only	
48	8	Supplying and erecting 100 x 50 mm with 4.7 mm thick web and 7.5 mm thick flange channel iron cross arm for 3.4 mtr. DP, complete as per specification No. OH-PL/BKT(Note = For distance exceeding 2.4 m between two pole structure add Rs. 840/-per meter for extra channel length.)	8.4.11	Nos.	2,626.00		21,008.00
49	2	Supplying and erecting 100 x 50 mm with 4.7 mm thick web and 7.5 mm thick flange channel iron cross arm for 2.4 mtr. DP, complete as per specification No. OH-PL/BKT	8.4.11	Nos.	1,786.00	One thousand seven hundred eighty six only	3,572.00
50	70	Supplying and erecting G.I. strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joint required. as per specification No (EA-EP).	9.2.3	Kg.	100.00	One hundred only	7,000.00
51	6	Supplying and erecting porcelain pin type insulator suitable for 22kV line, complete as per specification No. OH-INS/PN	8.6.10	Nos.	889.00	Eight hundred eighty nine only.	5,334.00
52	12	Supplying and erecting porcelain disc type insulator suitable for 22kVline, complete as per specification No. OH-INS/DI	8.6.7	Nos.	1,979.00	One thousand nine hundred seventy nine only.	23,748.00
53	2	Supplying and erecting enamel iron G.I. sheet 1.25mm (18 gauge) caution board of size 200 x 150 mm. as per I.S. 2551 of 1982 in Marathi and Hindi erected at position.	6.1.16	Nos.	112.00	One hundred and twelve only.	224.00
54	2	Providing cement concrete foundation including excavation for the poles 60 cms. x 60 cms. x 1.5 mtr. deep in 1:3:6 cement concrete (20 x 25 mm. stone metal) and 45 cm x 45 cm x 45 cm /45 cm. dia. x 45 cm. Height plinth duly plastered and with necessary curing and finishing in an approved manner. (for above 9 m poles)	16.3.3	Nos.	2,368.00	Two thousand three hundred sixtyeight only.	4,736.00

55	2	Providing C.C. foundation including excavation for stay 60 cm x 60 cm x 1.5 m deep in 1:3:6 cement concrete (20x25mm.stone metal) with necessary curing and finishing in an approved manner.	16.3.5	Nos.	1,824.00	One thousand eight hundred twenty four only.	3,648.00
56	10	Supplying and erecting Galvanised cast iron earth plate size 60 x 60 x 0.6 cms. with funnel with a wire mesh for watering and brick masonry block C.I. cover complete with all materials, testing & recording the results as per specification No. EA-EP	9.1.3	Nos.	2,231.00	Two thousand two hundred thirty one only.	22,310.00
57	3	Supplying and erecting pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification No. EAEP	9.1.5	Nos.	798.00	Seven hundred ninty eight only.	2,394.00
58	2	Supplying and erecting anticlimbing devices, fabricated from pole clampsof MS Flat 40x5 mm, with drooping spikes 15 cm. in length, welded to it anderected on pole.	10.2.17	Nos.	102.00	One hundred two only	204.00
59	0.05	Supplying and erecting ACSR conductor of size - 6/1-4.72 mm (Dog) complete. (394.00 kg/km) as per specification No. OH-CON/ACSR	8.5.11	Km.	95,388.00	Ninty five thousand three hundred eighty eight only.	4,769.40
60	50	Supplying and erecting Iron work for panel board or other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority (Size of angle/flat/channel iron to be specified in estimate)	6.1.19	Kg.	121.00	One hundred twenty one only.	6,050.00
61	1	Supplying and erecting approved make 22 kV out door type gang operated air break, triple pole switch 200A, capacity with 3 post pin type insulator per phase, mounted in horizontal or vertical position with necessary channels on provided cross arm with adequate length of "C" lass G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground level with necessary clamp.	10.2.3	Set	25,701.00	Twenty five thousand seven hundred one only.	25,701.00

62	1	Supplying and erecting approved make, 22 kV out door type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15 Amps capacity complete erected on provided cross arm.	10.2.6	Set	14,620.00	Fourteen thousand six hundred twenty only	14,620.00
63	3	Supplying and erecting Distribution class, 22 kV thyrite type lightning arresters, on provided cross arm as per specification No. OH-INS/LA	8.6.16	Nos.	6,077.00	Six thousand seventy seven only.	18,231.00
64	55	Supplying , erecting & Terminating 3 x 95 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	7.3.5	Rmt.	1,505.00	One thousand five hundred five only.	82,775.00
65	30	Supplying , erecting & Terminating PVC armoured cable 3 1/2 core 120 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	7.1.27	Mtr	751.00	Seven hundred fifty one only.	22,530.00
66	1	Providing and erecting Heat shrinkable out door termination kit for 22 kV (E) XLPE HT cable 3x95 sq mm cable with necessary material as per specification No. CB-JT/HT	7.5.11	Nos.	12,380.00	Twelve thousand three hundred eighty only.	12,380.00
67	1	Providing & erecting 3 Pole MCCB of 200A. capacity with S.C. rating 35 kA thermal and magnetic setting with provided leads on iron frame/laminated board as per specification no. SW-SWR/MCCB	5.5.2	Nos.	11,400.00	Eleven thousand four hundred only.	11,400.00
68	12	Supplying & erecting ISI marked HRC fuse cartridge 500V 200A	5.10.19	Nos.	232.00	Two hundred thirty two only	2,784.00
69	5	Supplying & laying (including excavation) 15 cm dia RCC Hume pipewith coupling collar of standard thickness at required depth up to 90 cmbelow road / ground surface, for enclosing provided cable & necessaryback filling with light ramming to make the road/ground surface as it was(Except bitumen carpet).	7.6.5	Rmt.	486.00	Four hundred eighty six only.	2,430.00

70	185	Supplying & laying (including excavation) 15 cm dia half round RCC Hume pipe of standard thickness at required depth up to 90 cms. Below road / ground surface, for enclosing provided cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).	7.6.6	Rmt.	293.00	Two hundred ninety three only.	54,205.00
71	1	Supplying and erecting approved make L.T.4.Way Feeder Pillar suitable for 22 kV, system. The feeder pillar shall be free standing and as per the approved design of MSEDCL and from MSEDCL approved vendor.		Nos.	24,750.00	Twenty four thousand seven hundred fifty only.	24,750.00
72	1	Supplying and erecting DTC meter provided with maximum kW demand indicator for unbalanced load 3 phase 4 wire 50 cycles 230/440V AC supply with incorporated time switch of 30 minutes integration period and of 15 seconds tune required for decoupling, suitable to work on provided three numbers of instrument current transformers of class C accuracy with ratio 500/5 A complete with zero adjustment & test certificate from manufacturer erected on provided M.S. box and connected to CTs.		Nos.	20,000.00	Twenty thousand only.	20,000.00
73	5	Supplying and erecting fencing of section having size 2450 mm in height from ground level and 1200 mm width with angle iron frame work erected in foundation and painted as per specification No SS-AS/FSG	10.2.18	Nos.	2,503.00	Two thousand five hundred three only.	12,515.00
74	1	MSEDCL metering		Each	5,000.00	Five thousand only.	5,000.00
75	43.75	Hard rock trench	16.1.4	Cum	554.00	Five hundred fiftyfour only.	24,237.50
76	43.75	Hard murum trench	16.1.5	Cum	140.00	One hundred forty only	6,125.00
77	1	Supplying and erecting mini feeder pillar triple pole with 200A FPMCCB as incomer and 2 outgoing circuits with HRC Fuse base and Cartridge of 100A consists of aluminium, bus bar 500 V 200 A. complete erected in 14 gauge CRCA sheet box with supporting angles, self locks, gasket	5.2.14	Each	34,752.00	Thirty four thousand seven hundred fifty two only.	34,752.00

		and slanting top to be erected on provided foundation as per per specification No. SW-SWR/MFP					
78	180	Supplying , erecting & Terminating PVC armoured cable 3 1/2 core 35 mm sq aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	7.1.18	Rmt	295.00	Two hundred ninty five only.	53,100.00
		Add MSEDCL Supervision Charges @ 1.3%					8,506.00
		Liaisoning Work for gettign approval to the electrical installations done as per above and permission to charge the installation for commercial use from MSEDCL and PWD electrical inspector					61,465.00
						Total	21,29,259.00
E		TESTING AND ROYALTY					
1	LUM PSU M	tem No. 1:- TESTING CHARGES @ 1% ON (A+B+C) : Re-embacement made to Contractor for Laboratory Testing charges for material wherever required on the basis of testing frequency and charges fixed by Vigilance and Quality Control Circle Pne or Govt lab i.e college of Engineering / Govt polytechnic for current Year after producing original Govt. receipts.	As directed by Engineer in charge	Job Work	As per Govt. rate.	As per Govt. rate.	154384.54
2	1404. 98	tem No. 2:- ROYALTY CHARGES (As per Statement) Making Reimbursement to contractor against royalty charges of natural materisls like sand , all types of murrum , metal, metal , rubble, etc . After producing the necessary receipts and no dues certificate of royalty charges from competant revenue authority by the contractor.	As directed by Engineer in charge	Cubic Meter	70.67	Rupees seventy and paise sixty seven only	99289.94
						TOTAL E	253675.00
						TOTAL A+B+C+ D+E	17821388.00