

NOTICE INVITING TENDER

Construction of Building For Rural Self-Employment Training Institute (RSETI) at Kokrajhar, Goalpara & Dhubri (Assam) respectively

Corrigendum No - 2

In connection with the tender notice as referred above; the followings amendment/ correction are hereby issued for the information of all concerned: -

- i) In the Part – II ie BOQ of Dhubri, the (c) Sanitary works has been mentioned twice at page No -15 to 23 & 24 to 33. One of it may be read as deleted.
- ii) In the same Part – II ie BOQ of Dhubri, the (b) Electrical works has been omitted out erroneously; which is enclosed herewith separately under heading (b) Electrical works for construction of RSETI Dhubri.
- iii) There is no change in the tender notice of Kokrajhar & Goalpara.

Sd/-
Dy Zonal Head
Dated: 19 Apr 2017

**Construction of Building for Rural Self Employment Training Institute
(RSETI) at Dhubri, Assam**

B : ELECTRICAL WORKS						
SL. NO.	APWD SOR NO.	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE (in Rs./unit)	Amount (Rs.)
		ASR PART - 2				
1		Wiring in surface/ recessed PVC conduit FR (Finolex / RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) cable				
1.1	2.1	Wiring for light/ fan/ call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/ RR Kabel/ Nicco/ Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 20mm dia 2mm thick / heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) including 6 Amp flush type switch/ bell push (Anchor penta/ Gold medal/ Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) with phenolic laminated sheet cover, ceiling rose (Anchor penta/ Gold medal/ Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) etc. complete				
1.1.1	2.1.1	Short point up to 3.00 Metre length.	Each	100.00		
1.1.2	2.1.2	Medium point up to 6.00 Metre Length.	Each	66.00		
1.2	2.2	Wiring to 5 a pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR Kabel /Nicco/ Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed 2 mm thick/ heavy rigid ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) wiring system including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Anchor penta / Gold medal / Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.				
1.2.1	2.2.1	Short point up to 3.00 Metre length.	Each	4.00		
1.2.2	2.2.2	Medium point up to 6.00 Metre Length.	Each	9.00		
1.2.3	2.2.3	Long point up to 10.00 Metre Length.	Each	37.00		

1.3	2.3	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/ RR Kabel / Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system including and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta / Gold medal / Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete with 20 mm. dia. 2mm thick/ heavy ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.)				
1.3.1	2.3.1	Short point up to 3.00 Metre length.	Each	RO		
1.3.2	2.3.2	Medium point up to 6.00 Metre Length.	Each	2.00		
1.3.3	2.3.3	Long point up to 10.00 Metre Length.	Each	2.00		
1.4	2.4	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/ RR Kabel/ Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system including and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta / Gold medal / Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt./ Havells make), GI/ MS switch board (I.S.I. mark with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete with 20 mm. dia. 2mm thick/ heavy rigid ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.)				
1.4.1	2.4.1	Extra long point up to 15.00 Metre length.	Each	6.00		
1.4.2	2.4.2	Extra long point up to 20.00 Metre Length.	Each	4.00		
1.5	2.6	Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel/ Nicco/ Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed PVC conduit (Berlia/ AKG / Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) wiring system.				

1.5.1	2.6.2	With 3 x 1.5 sq. mm. cable in 20 mm dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	Metre	1,800.00		
1.6	2.9	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel / Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed PVC 20 mm. dia. 2mm thick/ heavy ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) wiring system.				
1.6.1	2.9.4	With 4 x 10 sq. mm. + earth continuity with 2x6 sq. mm. cable in 40 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	Metre	60.00		
1.7	2.16	Wiring for twin control light point with 1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 20mm dia 2mm thick / heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) including 6 amp flush type 2 way switch (Anchor penta/ Gold medal / Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) with phenolic laminated sheet cover, ceiling rose (Anchor penta/ Gold medal / Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) etc. complete				
1.7.1	2.16.3	Long point up to 10.00 Metre Length.	Each	2.00		
		SUB TOTAL OF ASR PART -2 CARRIED OVER TO SUMMARY				
		ASR PART- 6				
2		SUPPLY AND FIXING OF RIGID PVC CONDUIT (AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) IN SURFACE AND RECESS WIRING SYSTEM				
2.1	6.2	Supply and fixing of 25 mm dia 1.50mm to 2.00mm average wall thickness heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG/ Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) on surface system including painting etc as required:	Metre	400.00		
2.2	6.5	Supply and fixing 50 mm mm dia 2.00mm average wall thickness heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG / Precision/ Presto Plast/ Polycab/ MW or equivalent make as approved by the Deptt.) on surface system including painting etc as required:	Metre	30.00		

		SUB TOTAL OF ASR PART -6 CARRIED OVER TO SUMMARY				
		ASR PART - 9				
3		Wiring with P.V.C. insulated unsheathed 1.1 K.V. grade single core copper conductor FR cable in existing surface/ recessed conduit wiring system				
3.1	9.3	Wiring for Co - axial Jelly Flooded (Unarmoured) (FINOLEX / RR KABEL / NICCO / ANCHOR make) cable in existing surface conduit wiring system including connection etc as required.				
	9.3.1	Co - axial Jelly Flooded (Unarmoured) RG 59	Metre	70.00		
3.1.1	9.3.2	Co - axial Jelly Flooded (Unarmoured) RG 6 (Copper)	Metre	35.00		
		SUB TOTAL OF ASR PART -9 CARRIED OVER TO SUMMARY				
		ASR PART - 11				
4		FITING AND ACCESSORIES				
4.1	11.7	Supplying and fixing of 3 plate Ceiling Rose (Anchor Penta PC CHERRY / Gold medal/ Kolor kany.kom/ Havells or equivalent make as approved by the Deptt.) on the existing block including connection as approved by the Deptt.) complete as required	Each	9.00		
		SUB TOTAL OF ASR PART -11 CARRIED OVER TO SUMMARY				
		ASR PART-15				
5		MCB DB (ABB, SCHNEIDER MG, LEGRAND, HAGER MAKE) & (SCHNEIDER NEO BREAK, C&S, Havells, INDO ASIAN, HPL OR EQUIVALENT MAKE AS PPROVED BY THE DEPTT.)				
5.1	15.8	Supplying with fitting and fixing sheet steel, phosphatised, powder painted dust & vermin proof Double door IP-43 double door surface mounting TPN MCB DB incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and directed by the deptt.				
5.1.1	15.8.1	ABB, Schneider MG, legrand, Hager make)				
	15.8.1.1	4 way TPN (4+12) double door	Each	1.00		
5.1.1.1	15.8.1.2	6 way TPN (4+18) double door	Each	1.00		
5.2	15.9	Supplying with fitting and fixing sheet steel, phosphatised, powder painted Single door surface mounting horizontal TPN MCB DB incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and directed by the deptt.				
5.2.1	15.9.1	ABB, Schneider MG, legrand, Hager make)				
5.2.2	15.9.1.4	12 way TPN (8+36) single door	Each	2		
		SUB TOTAL OF ASR PART -15 CARRIED OVER TO SUMMARY				
		ASR PART - 16				

6		MCB, MCCB, RCCB, RCBO (ABB, SCHNEIDER MG, LEGRAND, AND HAGER MAKE) & (SCHNEIDER NEO BREAK, C&S, Havells, INDO ASIAN, HPL OR EQUIVALENT MAKE AS PPROVED BY THE DEPTT.) MCB (Conform to IS / IEC 60898-1:200/ MCCB (Conform to IS/ IEC 60947- RCCB (Conform to IS/ IEC 12640/ 61008)				
6.1	16.1	Supplying with fitting and fixing single Pole 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
6.1.1	16.1.1	B Series (Schneider MG, legrand, Hager make)				
6.1.1.1	16.1.1.1	6 to 32A	Each	59.00		
6.1.2	16.1.2	C Series (Schneider MG, legrand, Hager make)				
6.1.2.1	16.1.2.1	6 to 32A	Each	35.00		
6.1.3	16.2.2	C Series (ABB, Schneider MG, legrand, Hager make)				
6.2	16.5	Supplying with fitting and fixing TPN 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
6.2.1	16.5.2	C Series (ABB, Schneider MG, legrand, Hager make)				
6.2.1.1	16.5.2.1	6 to 32A	Each	1		
6.2.1.2	16.5.2.2	40A	Each	7.00		
		MCCB with Thermal & Magnetic Release				
6.3	16.13	Supplying with fitting and fixing panel mounting open execution 25 KA 415V 50Hz 3P MCCB (Ics=Icu, adjustable Ir setting 0.7) without enclosure of the following capacity complete with making necessary connection as approved by the Deptt. as specified and directed by the deptt.				
6.3.1	16.13.1	25 KA 415V 50 Hz 3P MCCB (Schneider, legrand, Siemens make)				
6.3.1.1	16.13.1.7	125A	Each	1.00		
		SUB TOTAL OF ASR PART -16 CARRIED OVER TO SUMMARY				
		PART - 17				
7		PANEL IN-DOOR FLOOR/ WALL MOUNTING (2 OUT GOING), (4 OUT GOING), (6 OUT GOING) & (8 OUT GOING)				
		PANEL IN-DOOR Floor/Wall mounting (8 Out going)				

7.1	17.19	Supplying including installation, commissioning of vermin and dust proof totally enclosed cubical indoor type floor/ wall mounting compartmentalized panel board of size 1.35M X 1.50M X 0.40M made of 16 SWG 1.66 m thick C.R. sheet and 35mm X 35mm X 5mm size angle having 4 no legs at the bottom complete painting with 2 coats of Red Oxide metal primer and 2 coats of enamel paint. The panel board is to be erected in 1 : 3 : 6 PCC foundation including brick soling / grouting etc. complete neatly Wiring done with provision for one no 125/160A 4pole MCCB or Switch Fuse Unit as incomer and provision for 8nos DP or TPN out going as specified and directed by the deptt. confirming to IP 43 protection comprising of the following electrical items:				
		1. 20mm X 3mm ⁴ strip copper Bus-Bar 1.4 M length each				
		2. Digital 3 Phase Voltmeter Accuracy class 0.5 - 1 no				
		3. Digital 3 Phase Ammeter Accuracy class 0.5 - 1 no				
		4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow,& Blue - 3 no				
		5. Voltmeter & Ammeter Selector Switch - 2 no				
		6. 2 A Slide fuse unit - 3nos				
		(Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)	Each	1.00		
		SUB TOTAL OF ASR PART -17 CARRIED OVER TO SUMMARY				
		PART - 22				
8		EARTHING				
8.1	22.7	Supply, installation & testing of G.I. earth station with perforated 40 mm dia and 4.50 Metre long heavy duty G.I. pipe with necessary 40 mm dia. G.I. Fittings such as Socket, Tee, elbow, nipple and 50 mmx40 mm G.I. reducing socket for funnel including locking arrangement 300 mmx300 mmx6 mm hinged cover C.I. earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the deptt .	Each	2.00		
8.2	22.17	Supplying & laying of 8 SWG G.I. earth drawn through 15 mm dia. Medium quality G.I. pipe from Earth Electrode (below G.L.) to electrical switch gears or electrical machineries including making necessary connection as approved, specified and directed by the deptt.	Metre	60.00		
		SUB TOTAL OF ASR PART -22 CARRIED OVER TO SUMMARY				
		PART - 32				
9		U. G. CABLE AND CABLE WORKS				

9.1	32.1	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm, 3x10 sq mm, 4x6 sq mm balance all galvanised steel strip), extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/ CCI/ Polycab/ Gloster/ Finolex make).				
9.1.1	32.1.2	3 Core A2XWY A2XFY				
9.1.1.1	32.1.2.1	4.00 Sq.mm 3 Core armoured U.G. cable	Metre	80.00		
9.1.2	32.1.3	3 & 1/2 Core A2XFY				
9.1.2.1	32.1.3.1	25.00 Sq. mm.3 & 1/2 Core armoured U.G. cable	Metre	70.00		
9.1.2.2	32.1.4.2	6.00 Sq. mm.4 Core armoured U.G. cable	Metre	20.00		
9.2	32.22	Supplying, laying of HDPE Pipe / DUCT IS 4984: 1995 as required in the existing trench, through micro tunneling, as directed and specified by the department.				
9.2.1	32.22.1	63 mm PE63 GRADE PN2.5	Metre	70.00		
9.3	32.25	Drawing of cable through HDPE pipe / duct, cable trench, cable tray as directed and specified by the deptt.	Metre	150.00		
		SUB TOTAL OF ASR PART -32 CARRIED OVER TO SUMMARY				
		PART -33				
10		CABLE GLAND, TERMINAL, TRAY, FLOOR RACEWAY				
10.1	33.2	SUPPLYING FITTING AND FIXING OF (DOWELLS/ COMET make) SINGLE compression BRASS GLAND HEAVY DUTY				
10.1.1	33.2.4	SINGLE compression BRASS GLAND HEAVY DUTY Size: 7/8"	Each	4.00		
10.1.2	33.2.5	SINGLE compression BRASS GLAND HEAVY DUTY Size: 1"	Each	4.00		
		SUB TOTAL OF ASR PART -33 CARRIED OVER TO SUMMARY				
		PART - SB. 10				
11		EPABX				
11.1	SB.10.9	Supplying, installation, testing & commissioning of Distribution Box 20 pairs with Kronos (SIEMENS or equivalent as approved by the Deptt.)	Each	1.00		
11.2	SB.10.20	Supplying, installation, testing & commissioning of 2 pair Unarmoured Telephone Cable through existing conduit in surface/ recess system.	Metre	120.00		

11.3	SB.10.22	Supplying, installation, testing & commissioning of 20 pair Unarmoured Telephone Cable through existing conduit in surface/ recess system.	Metre	50.00		
		SUB TOTAL OF ASR PART SB-10 CARRIED OVER TO SUMMARY				
12		FAN				
		ITEM DESCRIPTION				
12.1	ECBC 1.1	Supplying including fitting fixing of following star rated A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Department [Without regulator]. (ORIENT PSPO make / Usha make/ CROMPTON make/ Havells/ ATC/ V GAURD make)				
12.2	ECBC 1.1.1	Energy efficient 5-star 1200 mm sweep. ORIENT PSPO / Usha / CROMPTON / Havells/ ATC or equivalent make	Each	50		
		SUB TOTAL OF ASR PART SB-10 CARRIED OVER TO SUMMARY				
		ASR PART ECBC 3				
13		LUMINARIES				
		ITEM DESCRIPTION				
		LED				
		CFL				
13.1	ECBC.3. 1	Supplying, installation, testing and Commission of the following indoor CFL/Fluorescent luminaries complete with all accessories such as ballast, starter etc. directly on wall / ceiling including connection cable, as approved by the Deptt.)with 1.5 sq mm P.V.C. insulated S.C.copper conductor as required and as directed by the department.	Each	39		
13.2	ECBC.3. 26.1	Supplying, installation, testing and Commission of the following indoor CFL Street Lights complete with all accessories such as ballast, starter etc. directly on wall / ceiling including connection cable, as approved by the Deptt.)with 1.5 sq mm P.V.C. insulated S.C.copper conductor as required and as directed by the department.	Each	4		
		SUB TOTAL OF ASR PART ECBC3 CARRIED OVER TO SUMMARY				
14		ASR PART 27 CEILING FAN, EXHAUST FAN AND AIR CURTAIN				
		ITEM DESCRIPTION				
14.1		Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department [Without regulator].				

14.1.1	27.2.1.1	Ventilator RX 150 mm sweep (ORIENT make), Brisk Air 150 mm sweep Louver type (Crompton make)	Each	9.00		
		SUB TOTAL OF ASR PART SB-10 CARRIED OVER TO SUMMARY				