



BRAHMAPUTRA CRACKER AND POLYMER LIMITED

[A Government of India Enterprise]



B R A H M A P U T R A C R A C K E R A N D
P O L Y M E R L I M I T E D

Priced Bid

Part-II

Schedule of Rates (SOR)

BCPL

Wherever written as "**GAIL**" in GCC should be read as "**BCPL**"

SCHEDULE OF RATES (SOR)**Annexure-I**

**SUBJECT : OPERATION & MAINTENANCE WORKS FOR CIVIL AT
BRAHMAPUTRA CRACKER AND POLYMER LIMITED,LEPETKATA**

Sl. No.	Description of Item	Unit	Qty	Unit Rate (Rs.)	Total Amount in Words (In Rupees)	
				In Figures	In Words	
1	CARPENTARY WORK					
	Repair and maintenance of carpentry work by deploying a team of one carpenter & one helper as per the requirement and directed by EIC with tools and tackles with small consumable material, like nails , screws, fevicol, putty etc. (team of 1carpenter and 1 helper)	Per day per team	90			
	(Note : The team for the above item shall be allowed one weekly off as decided by EIC depending upon work requirement)					
2	PLUMBING WORK					
	Repair and maintenance of PLUMBING work by deploying a team of one plumber & one helper as per the requirement and directed by EIC with tools and tackles with small consumable material, like safeda , thread, taflon tape, putty etc. (team of 1 plumber and 1 helper)	Per month per team	12			
	(Note : The team for the above item shall be allowed one weekly off as decided by EIC depending upon work requirement)					
3	SWEEPING WORK					
	Providing services of sweeping such as removal of chockage of trap, toilet, etc.by deploying sweeper as per the requirement and directed by EIC with tools and tackles. (1 sweeper)	Per day	45			
4	MASONARY WORK					
	Repair and maintenance of jobs related to mason by deploying a team of one mason & two helper as per the requirement and directed by EIC with tools and tackles etc. (team of 1mason and 2 helpers)	Per day per team	75.00			
5	WELDING WORK					

	Repair and maintenance of steel work by deploying welder & helper with electric welding machine as per requirement & directed by EIC and with tools and tackles, etc. (team of 1 welder and 1 helper)	per day per team	15.00		
6	Providing services of manpower (8 hrs. per day) with required tools and tackles for carrying out assigned work.				
(a)	Skilled manpower	No.	50.00		
(b)	Unskilled manpower	No.	500.00		
	SUB HEAD A- EARTHWORK ETC.				
1	Earth working in foundations, trenches or drain, etc. up to 2.0m depth including disposal of excavated earth within township as directed by EIC with all lead & lift				
	All kinds of soil	Cum	50.00		
2	Filling available / excavated earth/fine sand/coarse sand/stone aggregate (excluding rock) in trenches, plinth sides of foundation, etc in layers not exceeding 15 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 90M and with 2.0 mtr lift.	Cum	50.00		
3	Surface dressing of the ground i/c removing vegetation, grass and in equalities up to 15cm average deep and disposal of rubbish within township as directed by EIC with all lead & lift				
	All kinds of soil	Sqm.	500.00		
4	Supply and stacking of coarse sand at site with all royalty, carriage, etc.	Cum	50.00		
5	Supply of cement at site withall township as directed by EIC with all lead & lift etc.	BAG 50 KG	100.00		
6	Supply and stacking of bricks of First class burnt clay bricks with all royalty, carriage, etc. complete	PER 1000 Nos.	4.00		
7	Supply of white cement as per direction of EIC	BAG 50 KG	3.00		

	SUB HEAD B- CONCRETE WORK, BRICK WORK ETC.				
1	Providing & laying plain/reinforced cement concrete as directed and specified including dewatering if necessary and curing complete, etc, excluding the cost of reinforcement,centering and shuttering.				
a)	Concrete of mix 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	M ³	10.00		
b)	Concrete of mix 1:2:4 (1 cement: 2 coarse sand:4graded stone Aggregate 20 mm nominal size)	M ³	10.00		
c)	Concrete of grade M20 or mix 1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone Aggregate 20 mm nominal size)	M ³	10.00		
2	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same in all types of cement concrete and RCC work at all levels and surfaces.				
(a)	Using 25 mm thick plank.	M ²	100.00		
3	Supplying, fitting & fixing in position reinforcement bars conforming to relevant I.S Code for R.C.C. work/R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying & binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete at all levels.				
a)	ISI marked super ductile TMT Bar (Fe 500)	Qtl.	10.00		
4	Demolishing cement concrete works including disposal of debris as directed at all levels				
(a)	Plain Cement Concrete	M ³	2.00		
(b)	Reinforced Cement Concrete including stacking of steel bars.	M ³	8.00		

5	Providing and fixing of pre-cast reinforced cement concrete slab, beam, etc. in 1:1.5:3 (1 cement : 1.5 Coarse sand : 3 graded stone aggregate 20mm nominal size) including the cost of required centering, shuttering, complete but excluding the cost of reinforcement.	M ³	5.00		
6	Providing brick soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering complete.				
a)	Brick on flat soling	M ²	50.00		
7	Brickwork in cement mortar in proportion 1:4 with Ist class brick including racking out joints and dewatering if necessary and curing complete as directed at all levels.	M ³	30.00		
8	Half brick work at any level with Ist class bricks in cement mortar 1:4 (1 cement : 4 coarse sand).	M ²	50.00		
9	Stone masonry work in retaining wall, boundary wall, foundation, steps, plinth etc. in cement mortar in prop. 1:6 with levelling course of 1:6:12 with both faces hammer dressed including bonding, providing face stone, through stone and centering including racking of joints, curing and supplying and all carriage of stone as directed including payment of forest royalty and sales tax and carriage.				
a)	Random Rubble Masonary.	M ³	10.00		
SUB HEAD C- FINISHING WORK					
1	10 mm thick cement plaster in single coat on brick/concrete walls at all levels including arises, internal rounded angles finished even and smooth including curing complete as directed				
a)	In cement mortar 1:4	M ²	25.00		

2	15 mm thick cement plaster in single coat on brick/concrete walls at all levels including arises, internal rounded angles finished even and smooth including curing complete as directed				
a)	In cement mortar 1:4	M ²	25.00		
3	12 mm cement plaster finished with a floating coat of neat cement including rounding of junctions where required of mix :				
	1:4 (1 cement : 4 fine coarse sand)	M ²	25.00		
4	Providing two coats of wall putty on walls etc. as specified and directed.	M ²	50.00		
5	Distempering with dry distemper of approved brand and manufacture and of required shade to give an even shade i/c necessary surface preparation.				
a)	On old work (One ore more coat)	M ²	100.00		
b)	On new work (two or more coats)	M ²	50.00		
6	Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings etc. including preparing the surface even and sand papered smooth.	M ²	50.00		
5	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade.				
a)	On old work (one or more coats) including priming coat.	M ²	50.00		
b)	On new work (two or more coats)	M ²	50.00		
7	Removing old paint (enamel/aluminium/bituminous) from steel and other metal surface and making the surface even with paint remover.	M ²	50.00		
8	Painting with synthetic enamel paint of approved brand and manufacture and of required shade to give an even shade for wood/ steel work i/c necessary surface preparation.				

a)	On old work (one or more coats)	M ²	75.00			
9	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	M ²	25.00			
10	Painting two coats (excluding priming coat) on new steel and other metal surface with aluminium paint of approved brand and manufacture(Asian Paint/Berger Paint/ICI Paint/J&N Paint/Nerolac) and brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.					
(a)	Surfaces upto 100 mm in width or girth.	RM	3000.00			
(b)	Surfaces over 100 mm in width or girth.	M ²	500.00			
11	Applying priming coat on new wood surface with ready mixed paint (pink)after and including preparing the surface by thoroughly cleaning oil, grease,dirt and other foreign matter, sand papering and knotting.					
(a)	Surfaces up to 100 mm in width/girth	RM	50.00			
(b)	Surfaces over 100 mm in width/girth	M ²	50.00			
12	Applying primary coat over new steel and other metal surface after preparing the surface by thoroughly cleaning oil, grease,dirt and other foreign matter and scoured with wire brushes,fine steels, wood scrapers and sand paper.					
(a)	With ready mixed "red-lead/red oxide" primer	M ²	50.00			
13	Distemping with OBD/ acrylic washable distemper (ready-made) of approved manufacturer and of required shade and colour complete, as per manufacturer's specification.					

a)	One or more coats on old work after thoroughly brooming the surface free from dirt, loose scales etc. including preparing the surface even and sandpapered smooth.	M ²	300.00		
b)	Two or more coats on new work after thoroughly brooming the surface free from dirt, loose scales etc. including preparing the surface even and sandpapered smooth.	M ²	100.00		
	SUB HEAD- D FLOORING, PATHWAYS ETC.				
1	25 mm thick cement concrete topping 1:2:4 (1 cement: 2 coarse sand: 4 coarse aggregate of 12 mm nominal size) finished with a floating coat of neat cement finish (base concrete to be measured and paid separately) to be laid in panels including curing complete as directed.	M ²	100.00		
2	Providing and laying ceramic glazed tiles 300x300mm of thickness not less than 8 mm of Ist quality conforming to IS: 13755 of NITCO or equivalent make in all colours , shades laid on avg. 20mm thick cement mortar 1:4 (1 cement: 4 Coarse sand) including pointing the joints with white cement and matching pigment etc. complete.	M ²	50.00		
3	Providing and laying polished vitrified tiles in floor/skirting etc. of approximate size 600MMX600MM of thickness not less than 18 mm in all colours and shades of "MARBITO" make or equivalent . Tiles to be fixed over 15 mm thick base of cement mortar in proportion 1:3 (1 cement : 3 coarse sand).	M ²	50.00		
4	Providing and fixing granite slab of thickness 18 mm mirror polished, machine cut of required size of approved shade, colour and texture laid over 15mm thick base cement mortar 1:3 (1 cement : 3 coarse sand) with joints treated with white cement mixed with matching pigment including rubbing, curing etc. complete at all levels including moulding wherever required.	M ²	25.00		

5	Providing and fixing kerb stone (precast) of 350x75x300 mm including fixing in cement mortar 1:4 (1 cement : 4 coarse sand) including making drainage opening what so ever required as per direction of EIC.	CUM	5.00		
	SUB HEAD E- ROOFING & STEEL WORK				
1	Providing corrugated galvanised iron sheet roofing of TATA/JINDAL/SAIL including fitting & fixing necessary galvanised J or L hooks, bolts and nuts.				
(a)	0.60 mm thick	M ²	25.00		
2	Providing galvanised iron ridging of TATA/JINDAL/SAIL including supplying and fixing necessary galvanised screws/washers etc. complete as directed.				
(a)	0.60 mm thick	RM	10.00		
	Providing Pre-Painted Galvalume Sheet Roofing (PPGL) of approved brand at all levels including fitting & fixing self drilling, self tapping screws complete as specified and directed.	M ²	25.00		
(a)	0.60 mm thick				
3	Providing Pre Painted Galvalume Sheet(PPGL) accessories(Ridges/Valley/Gutter/Flashing) of approved brand at all levels including fitting & fixing self drilling, self tapping screws complete.				
(a)	0.60 mm thick	RM	10.00		
4	Steel work welded in single sections including cutting, hoisting and fixing in positions and applying priming coat of red-lead paint including drilling holes, supplying, fitting and fixing with bolts and nuts or welding, if necessary as directed.				
(a)	In beams and joists fitted independently without connecting plates.	Qtl.	1.00		
(b)	In M.S. Flats up to 25 mm thickness	Qtl.	2.00		
©	In M.S. plates, angles, channels, etc. of all sizes.	Qtl.	17.00		
	SUB HEAD F- WOOD WORK, PVC & ALUMINIUM WORK				

1	Supply of float glass panes with special metal sachputty and glazing clip in steel window/doors/celestory windows including necessary cutting to required size for all floors.				
(a)	Float Glass panes 4mm thick	M ²	70.00		
(b)	Glass panes 5.0 mm thick.	M ²	20.00		
(c)	Frosted glass panes 4 mm thick	M ²	5.00		
2	Supply & fixing of GI wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63mm of approved quality to wooden frame/shutter with necessary screw/nails etc.	M ²	10.00		
3	Providing, fitting & fixing wire guage shutters using galvanised M.S. wire of I.S. designation 85 G with wire of diameter 0.56 mm for doors, windows and celestory windows including oxidised M.S butt hinges (100 mm x 58mm x 1.90 mm)				
a)	With 1st class wood (40mm thick)	M ²	20.00		
4	Providing, fitting & fixing 35 mm thick ISI marked factory made flush door shutters having core & cross bands fabricated from seasoned 1st class timber, 25 mm core battens, 2.5 mm to 3.5 mm uniformly thick cross bands, styles & rails made from hardwood timber of width not less than 50 mm, fixed to the door frames (chowkath) with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately)	M ²	10.00		
5	Supply of aluminium tower bolts anodized transparent or dyed to required colour or shade with necessary screws etc.				
(a)	250x12 mm	No.	25.00		
(C')	150x10 mm	No.	25.00		
6	Supply aluminium aldrop/ sliding door bolt anodized transparent or dyed to required colour shade with nuts and screws etc. complete.				
	up to 250x16 mm	No.	5.00		

	Supply of aluminium handles anodized transparent or dyed to required shade or colour with necessary screws etc. complete.				
)	100 mm	No.	25.00		
8	Supplying, fitting & fixing of aluminium hydraulic door closer with necessary accessories, screws etc. complete.	No.	10.00		
9	Supplying, fitting & fixing of aluminium door stopper with rubber stopper.	No.	20.00		
11	Providing, fitting & fixing anodised aluminium hollow section with pre-laminated particle board as specified for aluminium frame partition wall with a maximum spacing of frame 1.20 m for horizontal/vertical member including aluminium cleat directed at all levels.	M ²	50.00		
13	Providing, fitting & fixing 40 mm x 48 mm wood reinforced PVC chowkhats fixed to the columns/stiffeners/walls with necessary holdfast/sleeves etc. as specified and directed at all levels.	R.M.	10.00		
14	Providing, fitting & fixing 24 mm thick polymer reinforced moulded PVC door shutters fixed to the chowkath with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately.)	M ²	6.00		
	SUB HEAD F- SANITARY, DRAINAGE & WATER SUPPLY WORK ETC.				
1	Providing, fitting & fixing vitreous water closet squatting pan (Indian type W.C Orissa pattern) of approved make and size complete with PVC flushing cistern				
(a)	White	No.	1.00		
2	Providing, fitting & fixing European type water closet of Parryware/Hindware make complete with seat, lid & flushing cistern including fittings & accessories.				

(a)	White	No.	1.00		
3	Providing, fitting & fixing of vitreous China wash basin of Parryware/Hindware make complete with all fittings & accessories.				
(a)	White wash basin of size 630 mmx 450 mm.	No.	4.00		
4	Providing, fitting & fixing chrome plated (CP) soap dish of Jaquar make complete as specified and directed.	Each	10.00		
5	Providing, fitting & fixing chrome plated (CP) towel rail 600 mm long of Jaquar make complete as specified and directed.	Each	10.00		
6	Providing, fitting & fixing chrome plated (C.P) towel ring of approved make complete as specified and directed.	No.	10.00		
7	Providing, fitting & fixing chrome plated (C.P.) tumbler holder of approved make complete as directed and specified.	No.	10.00		
8	Providing, fitting & fixing chrome plated (CP) toilet paper holder of approved make complete as directed and specified.	No.	10.00		
9	Providing, fitting & fixing chrome plated (CP) waste coupling (half thread HT and full thread FT) complete as directed and specified.				
(a)	32 mm (HT/FT)	No.	15.00		
(b)	40 mm (HT/FT)	No.	5.00		
10	Providing, fitting & fixing mirror of approved make complete as directed and specified.				
(a)	Size 450mm x 600 mm	No.	5.00		
11	Providing, fitting & fixing glass shelf with C.P guard rail of approved make to wall complete as specified and directed.	No.	5.00		
12	Providing, fitting & fixing C.P bottle trap for basin etc. complete as directed and specified.				
(a)	32 mm diameter.	No.	5.00		
(b)	40 mm diameter.	No.	5.00		

13	Supplying, fitting & fixing C.P bib cock 15 mm diameter of approved brand directed and specified.				
(a)	Bib cock short body	No.	5.00		
(b)	Bib cock long body	No.	5.00		
14	Supplying, fitting & fixing C.P pillar cock of 15 mm diameter of approved brand as specified and directed.	No.	5.00		
15	Supplying, fitting & fixing C.P sink cock of approved brand as specified and directed.	No.	5.00		
16	Supplying, fitting&fixing chrome plated (C.P) health faucet shower with accessories of approved make complete as directed	No.	5.00		
17	Supplying, fitting and fixing chrome plated (C.P.) central hole basin mixer of Jaquar/Agmeco make complete as directed.	No.	4.00		
18	Supplying, fitting and fixing chrome plated (C.P.) wall mixer of Jaquar/Agmeco make complete as directed.	No.	4.00		
19	Supply and operation of JCB for desilting , excavation, drain cleaning , dressing and other misc. works on hourly basis including the cost of fuel, operator, helper etc. as per requirement of BCPL and instruction of EIC.	Per Hour	20.00		
	Grand Total (A to J)				

Amount in Words:**NB:**

The above rates are inclusive of all taxes & duties. However, Service Tax shall be paid at Actual on submission of documentary evidences

Name of Bidder:**Seal:****Signature:**

