



SITE ENABLING WORKS (PACKAGE-I) AT TALCHER, ODISHA
ITB NO.:PNPM/PC-009/E-001
AMENDMENT-3 (TECHNICAL & COMMERCIAL), Dated 24.07.2017



SL. NO.	REFERENCE OF BIDDING DOCUMENT				Amendment
	Part/Sec.	Page No.	Clause No.	Existing Clause	
A)	Technical				
1.	Part B/SOR (Part B Road Works)	8 of 13	RD-05/SI. No. 23	Providing and laying Bituminous concrete/macadam including tack coat on WMM and tack coat on bituminous surface using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.	The clause is modified as follows; Providing and laying Bituminous concrete/macadam (50 mm thick dense bitumen macadam and 75 mm thick semi-dense bitumen concrete) including tack coat on WMM surface using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per CPWD specification, complete and as per directions of Engineer-in-Charge. Please quote as per attached revised SOR (Rev.2)
B)	Commercial				



1.	Part A/Commercial/ Tender Form	2 of 3	NA	Original Income Tax clearance certificate	The clause is modified as follows; Submission of Original Income Tax clearance certificate is not mandatory along with Bid documents
2.	Part A/Commercial/ Tender Form	2 of 3	NA	Copy of Labour Licence	The clause is modified as follows; Copy of Labour Licence is not required along with Bid documents. Copy of Labour Licence will be provided by bidder after award of job.

Enclosure:

- 1) Revised Schedule of Rates-SOR (Rev.2)

Project Manager, PDIL, Noida



SCHEDULE OF RATES
OF
BOUNDARY WALL AND ACCESS ROADS
FOR
TALCHER FERTILIZER COMPLEX
AT
TALCHER, ODISHA

	SCHEDULE OF RATES OF BOUNDARY WALL AND ACCESS ROADS FOR TALCHER FERTILIZER COMPLEX AT TALCHER, ODISHA	0000-PNCV-SOR-PR-0201	2	24.07.17	24.07.17	SS	RNS	UPT	1 OF 13	
		DOCUMENT NO	REV	REV DT	EFF DT	PREPD	REVWD	APPD	SHEET NO	



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	

PART –A –BOUNDARY WALL



SL.NO.		DESCRIPTION OF ITEMS	UNIT	QTY	RATES	AMOUNT	
1.	A-01	Earthwork in excavation in foundations of footings, columns, plinth beams, walls etc., to the required levels and grades in both dry and wet conditions, including dressing of sides and ramming of bottoms, getting out excavated earth with lift up to 1.5 M and disposal of surplus excavated materials within a lead of 50 M including stacking, leveling and dressing etc., complete as per direction of Engineer-in-Charge(E.I.C.) in all kinds of soils as defined in IS: 1200 including providing temporary supports to all service lines such as overhead and underground water, sewage and drain pipes, cables etc. and shoring and strutting wherever necessary, complete in all respects as per direction of Engineer-in-Charge.	Cum	1225			
2.	A-02	Same as Item No. A-01, but lift from 1.5 M to 3.0 m.	Cum	350			
3.	A-03	Providing and laying in position cement concrete of specified grade - all work up to plinth level, including the cost of centering,					
		a) Design Mix M7.5 grade concrete	Cum	60			
		b) Design Mix M 15 grade concrete	Cum	5			

	SCHEDULE OF RATES OF BOUNDARY WALL AND ACCESS ROADS FOR TALCHER FERTILIZER COMPLEX AT TALCHER, ODISHA	0000-PNCV-SOR-RD-0203	2	24.07.17	24.07.17	SS	RNS	UPT	2 of 13	
		DOCUMENT NO	REV	REV DT	EFF DT	PRE PD	REVWD	APPD	SHEET NO	



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)	
				(In Figure)	(In Words)		
4.	A-04	Filling with available excavated good earth (excluding rocks / boulders), as approved and directed by Engineer-in-Charge, in trenches, plinth, under floors, sides of foundation etc., at all depths in layers not exceeding 20 cms. in thickness including consolidating and dressing each deposited layer by ramming and watering with lead upto 50 metres, complete in all respects	Cum	850			
5.	A-05	Same as above with selected good earth brought from source approved by the Engineer -in-Charge (Rate shall include Royalty, Taxes, Octoroi, etc., levied by the local authorities, all transportation, loading and unloading, etc., and nothing extra will be paid on this account).	Cum	350			
6.	A-06	Providing and laying in position reinforced cement concrete in foundations, plinth beams etc. including the cost of centering, shuttering, finishing but excluding reinforcement - All work up to plinth level					
		a. Design Mix M20 grade concrete	Cum	420			
7.	A-07	Providing and laying in position reinforced cement concrete in columns, beams etc. including the cost of centering, shuttering, finishing, fixing angle post, inserts etc but excluding reinforcement - All work above plinth level.					
		a. Design Mix M20 grade concrete	Cum	140			

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		DOCUMENT NO	REV	REV DT	EFF DT	PRE PD	REVWD	APPD	SHEET NO	



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)	
				(In Figure)	(In Words)		
8.	A-08	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete with CRS steel bars	Te	10			
9.	A-09	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in cement mortar 1:6 (1 cement : 6 coarse sand (zone-III))	Cum	1000			
10.	A-10	CEMENT PLASTER (IN COARSE SAND): 12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)	sqm	3250			
11.	A-11	CEMENT PLASTER (IN COARSE SAND): 15 mm cement plaster on rough side of single or half brick wall of mix 1:6 (1 cement: 6 coarse sand)	sqm	3250			
12.	A-12	Finishing walls with water proofing cement paint of required shade two or more coats applied @ 3.84 kg/10 sqm including one coat of water thinnable cement primer of approved brand.	sqm	32500			
13.	A-13	Providing and laying in position cement concrete in coping with concrete grade 1:2:4 (1 Cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size). including the cost of centering, shuttering and finishing :	cum	25			

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)	
				(In Figure)	(In Words)		
14.	A-14	Supplying Angle iron post & strut of required size including bottom / top to be split and bent at required angle in opposite direction for 100 mm length or welding with existing angle piece, drilling holes upto 10 mm dia. And painting with synthetic enamel paint etc. complete	Kg	9000			
15.	A-15	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal and 2 diagonals R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle paid separately).	Metre	6400			
16.	A-16	Demolishing R.C.C. work manually/ by mechanical means in boundary wall, buildings, structures like silo, prilling tower, pipe rack, conveyers, bagging plant, technical / non technical structures, drains, floors, pavement etc. including stacking of steel bars and disposal of unserviceable material within 50 meters lead as per direction of Engineer - in- charge.					
		i) 0-15 m height	Cu.m	25			
		ii) 0-3 m depth	Cu.m	25			

	SCHEDULE OF RATES OF BOUNDARY WALL AND ACCESS ROADS FOR TALCHER FERTILIZER COMPLEX AT TALCHER, ODISHA	0000-PNCV-SOR-RD-0203	2	24.07.17	24.07.17	SS	RNS	UPT	5 of 13	
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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	
17.	A-17	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
		a)Design mix M10	Cu.m	2		
		b) Design mix M7.5	Cu.m	50		
18.	A-18	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
		i) 0-15 m height	Cu.m	400		
		iii) 0-3 m depth	Cu.m	100		
SUB TOTAL OF PART A		INR				
		INR CRORES				

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	

PART -B-ROAD



SL.NO.		DESCRIPTION OF ITEMS	UNIT				
19.	RD-01	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	Sqm	7000			
20	RD-02	Providing and laying dry rubble stone soling in layers of 300 mm thick hand set in regular lines, interstices being filled in wit small pieces of stones, thoroughly rammed, consolidated and watered complete as directed and specified & rolling with 10 MT power roller.	Sqm	7000			

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		DOCUMENT NO	REV	REV DT	EFF DT	PRE PD	REVWD	APPD	SHEET NO	



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)	
				(In Figure)	(In Words)		
21.	RD -03	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	Cu m	2280			
22.	RD -04	Brick edging in full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead up to 50 metres. With non modular fly ash bricks conforming to IS: 12894, class designation 10 average compressive strength.	Metre	1000			
23.	RD -05	Providing and laying Bituminous concrete/macadam (50 mm thick dense bitumen macadam and 75 mm thick semi-dense bitumen concrete) including tack coat on WMM surface using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per CPWD specification, complete and as per directions of Engineer-in-Charge	Sqm	6000			

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	
24.	RD -06 Dressing the ground for berms including earthwork in excavation, filling with moorum upto 150 mm depth, watering, rolling with road roller and disposal of surplus earth with a lead of 50 metres within the plant battery limits area, complete in all respects and as directed.	Sqm	1000			
25.	RD -07 Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	1000			
26.	RD -08 Earthwork in excavation in ,roadwork, foundations of drains and culverts etc., to the required levels and grades in both dry and wet conditions, including dressing of sides and ramming of bottoms, getting out excavated earth with lift upto 1.5 M and disposal of surplus excavated materials within a lead of 50 M including stacking, levelling and dressing etc., complete as per direction of Engineer-in-Charge(E.I.C.) in all kinds of soils as defined in IS: 1200 including providing temporary supports to all service lines such as overhead and underground water, sewage and drain pipes, cables etc. and shoring and strutting wherever necessary, complete in all respects as per direction of Engineer-in-Charge.	Cum	7100			
27.	RD -09 Same as Item No. A-01, but lift from 1.5 M to 3.0 M.	cum	2130			

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	
28.	RD -10	Providing and laying in position cement concrete of specified grade - all work up to plinth level, including the cost of centering, shuttering and finishing :				
		a) Design Mix M7.5 grade concrete	Cum	1050		
		b) Design Mix M 15 grade concrete	Cum	5		
29.	RD -11	Backfilling with available excavated good earth (excluding rocks / boulders), as approved and directed by Engineer-in-Charge, in trenches, plinth, under floors, sides of foundation etc., at all depths in layers not exceeding 20 cms. in thickness including consolidating and dressing each deposited layer by ramming and watering with lead upto 50 metres, complete in all respects	Cum	2130		
30.	RD -12	Providing and laying in position reinforced cement concrete in foundations, walls, plinth beams etc. including the cost of centering, shuttering, finishing but excluding reinforcement - All work up to plinth level				
.		Design mix M20 grade concrete	cum	50		
31.	RD -13	Providing and laying in position reinforced cement concrete in columns, beams, walls etc. including the cost of centering, shuttering, finishing but excluding reinforcement - All work above plinth level				
		Design mix M20 grade concrete	Cum	5		

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		DOCUMENT NO	REV	REV DT	EFF DT	PRE PD	REVWD	APPD	SHEET NO	



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)	
				(In Figure)	(In Words)		
32.	RD -14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete with Hot rolled deformed bar/ TMT bars / CRS bars	Kg	7500			
33.	RD -15	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in cement mortar 1:6 (1 cement : 6 coarse sand (zone-III))	Cum	50			
34.	RD -16	CEMENT PLASTER (IN COARSE SAND): 12 mm cement plaster of mix 1:6 (1 cement: 6 coarse sand)	Sqm	50			
35.	RD -17	CEMENT PLASTER (IN COARSE SAND): 15 mm cement plaster on rough side of single or half brick wall of mix 1:6 (1 cement: 6 coarse sand)	Sqm	50			
36.	RD -18	Finishing walls with water proofing cement paint of required shade two or more coats applied @ 3.84 kg/10 sqm including one coat of water thinnable cement primer of approved brand.	Sqm	50			
SUB TOTAL OF PART B =			INR				
			INR IN CRORES				

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	

SUMMARY OF SCHEDULE OF RATES

1	PART A-BOUNDARY WALL	INR CRORES				
2	PART B – ROAD	INR CRORES				
3	GRAND TOTAL OF (PART A & B)	INR CRORES				
4	TOTAL AMOUNT IN WORDS					
5	PART - C					
	THE PERCENTAGE ABOVE OR BELOW DELHI'S CPWD SCHEDULE OF RATES 2016 FOR MISCELLANEOUS WORKS NOT ENVISAGED IN S.O.R. ABOVE, BUT REQUIRED TO BE EXECUTED (MAX. APPROX. Rs. 18.00 Lakh)	QUOTED RATE Percentage above (+) or below (-)				
6	DISCOUNT	INR				

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SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY	RATE		AMOUNT (IN Rs.)
				(In Figure)	(In Words)	
7	GST (CGST & SGST/UTGST or IGST) % of GST to be indicated by bidder	INR				
8	TOTAL AMOUNT IN FIGURES	INR				
9	TOTAL AMOUNT IN WORDS					
10	GST HSN/SAC CODE					
11	NAME					
12	SIGNATURE OF TENDERER					
13	PLACE / DATE					

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