



PMS NEWSLETTER



MAY 2024

F.Y. 2024 No. 2



SPILLWAY 4th STAGE



KICK OFF MEETING



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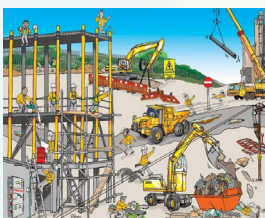
02 ABOUT THE COVER



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ABOUT THE COVER

A technical kick-off meeting was conducted last May 20, 2024 which were attended by General Manager, SMCC PH HO Managers, Project Managers, Project Key Persons, and other staffs involved to discuss the details of the upcoming projects which includes project details, scope of works, schedules, expected problems and proposed countermeasures, construction methodologies, etc.

TAILINGS DAM PROJECT

PROGRESS PERCENTAGE

AS OF MAY 31, 2024

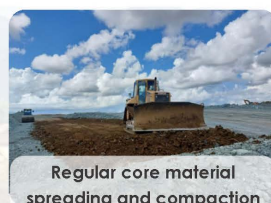
74.77 %



Construction of TSF3 Spillway



Excavation and Hauling of Rock Material



Regular core material spreading and compaction



Exposure Test of Fine Filter Material



PMS Monthly Audit



Audit close out meeting



Dam crest Inspection



New Material Testing Laboratory



New Motorpool



SMCC Staff together with other subcontractor attending Month of the ocean coastal clean up Program, held by client last May-18-2024 at Brgy. Malihud Bataraza , Palawan



NEW FACTORY PROJECT

PROGRESS PERCENTAGE
AS OF MAY 26, 2024

31.38 %

SITE PROGRESS PHOTOS



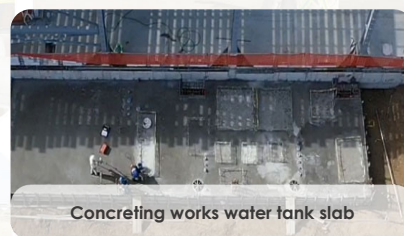
SITE ACTIVITY PHOTOS



Roofing Works at Production Area



Concreting works on slab-on-grade



Concreting works water tank slab



Field Density Test



Third party inspection for Equipment



PMS Monthly Audit



Pipe Laying at Toilet Production Area



Installation of cable tray supports



Installation of pipe sleeve at underground water tank

PRECAST RESIDENTIAL PROJECT

PROGRESS PERCENTAGE
AS OF MAY 31, 2024

54.19 %

(Base from Monthly Progress Report of May 2024 for 774 + 41 Housing units)

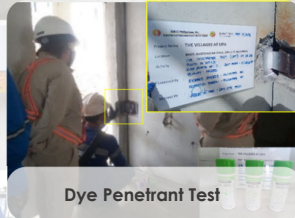
PRECAST YARD



SITE ACTIVITY PHOTOS



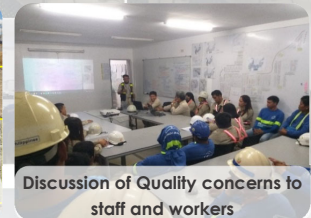
Formworks Inspection



Dye Penetrant Test



Dynamic Cone Penetration



Discussion of Quality concerns to staff and workers



Rebar inspection of upstand wall



Checking of Slab-on grade surface preparation



Field Density Test



Weekly Subcon Meeting

CLIENT ACTIVITY PHOTOS



Witness of water leak test



MEP Testing

PROMOTION OF GREEN CURTAIN CAMPAIGN



MAY 2024

F.Y. 2024 No. 2

SPILLWAY 4TH STAGE PREPARATION WORKS

CONCRETING OF PRECAST PEDESTAL

PROGRESS PERCENTAGE
AS OF MAY 31, 2024

30.63 %



DAM STORAGE EXPANSION PHASE 3 EXCAVATION AND HAULING WORKS

PROGRESS PERCENTAGE
AS OF MAY 31, 2024

10.82 %



Quality Corner

Rebar (short for reinforcing bar) is a steel bar used as a tension device in reinforced concrete and reinforced masonry structures to strengthen and aid the concrete under tension.

REBAR MARKINGS

The manufacturer's identifying mark, the bar size, the grade, and other marks shall be clearly embossed in each bar. The sequence of marking shall be as shown below.

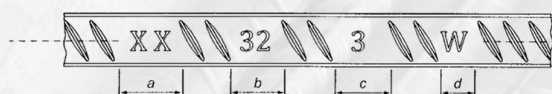


Figure 1 – System of Marking for Grades 230 and 280



Figure 2 – System of Marking for Grades 2420, 520 and 550

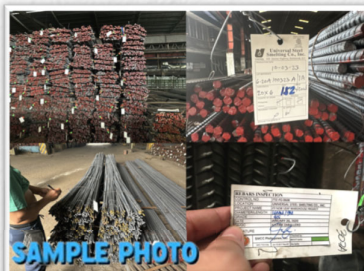
- Manufacturer's identifying mark – a logo or symbol registered or to be registered with the Philippine Patent Office and published in the official Gazette
- Bar Size – number reflecting the nominal diameter

2	-	Grade 230
3	-	Grade 280
4	-	Grade 420
5	-	Grade 520
6	-	Grade 550
- Grade – number reflecting the Grade number
- Ductility Class – marking indicating classification

No W Mark	-	Ductility Class 1, Regular Grade
W	-	Ductility Class 2, Weldable Grade
- Other markings – additional markings to distinguish between rebars produced from Quenching and Tempering or Micro Alloying, applicable for Grades 420, 520 and 550 only as shown in Figure 2

T	-	Quench and Tempered (QT/TMT) steel bars
A	-	Micro Alloyed (MA) Steel bars

In addition, color codes shall be painted on the surface of the end of each bar as follows:



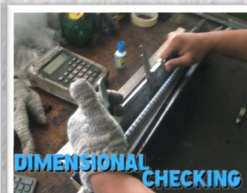
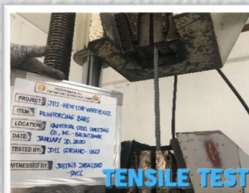
White	-	Grade 230
Yellow	-	Grade 280
Green	-	Grade 420
Orange	-	Grade 520
Blue	-	Grade 550
Red	-	Ductility Class 2, Weldable Grade

Other marks shall be indicated on the tag securely attached to each bundle of bars. Each bundle shall be properly tagged indicating the batch number, diameter, grade, length, number of pieces and name of manufacturer and

Ref: PNS 2020 Steel Bars for Reinforce Concrete

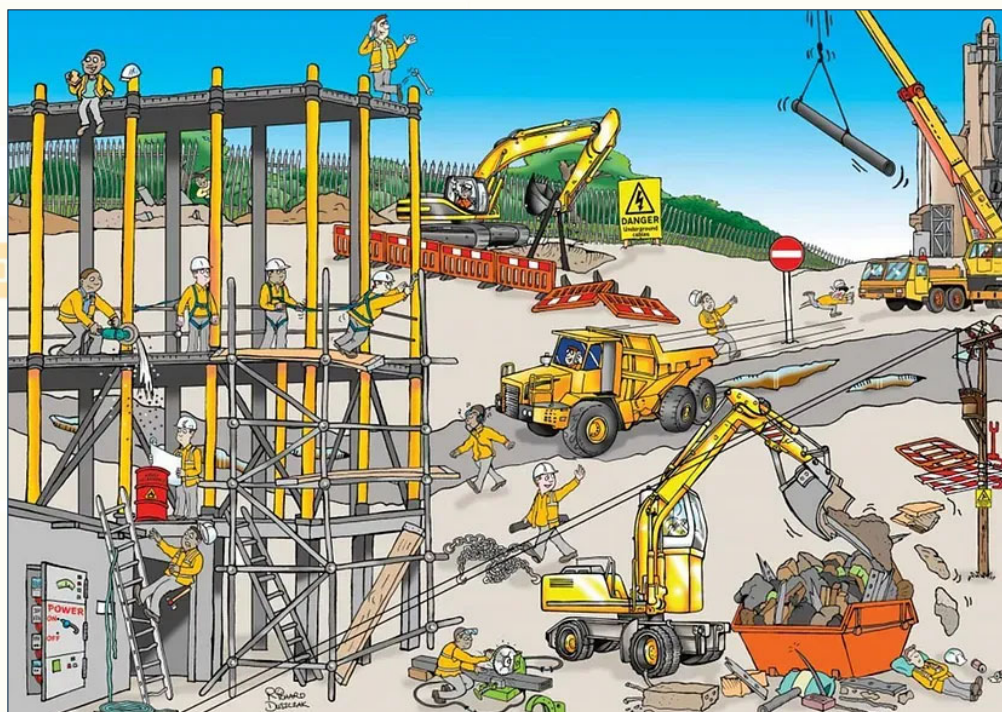
Rebar Testing is a destructive material testing, as it is conducted to assure the quality of the rebar to follow the national standards. There are two types of tests, the tensile and bending test. Before they proceed with the testing, the technicians will check the physical properties of the rebar.

The rebar inspection process and types of testing will be mentioned in the next PMS newsletter issuance.



SPOT THE HAZARD

Can you identify the 20 unsafe acts and conditions in this image below? This interactive puzzle will develop visual skills in safety inspections.



FIND AND LOOP THOSE **RED WORDS** ON THE BOX BELOW

- Reinforcement** are rods, bars, or fabrics usually of steel embedded in the concrete for the purpose of resisting design stresses.
- Tensile** Strength is a mechanical property defined as the ratio of the maximum attainable load to nominal cross-sectional area.
- Yield** Strength is the stress corresponding to the point reached during the test at which plastic deformation occurs without any increase in the force.
- The Philippine **National** Standard for steel bars for concrete reinforcement was developed by the Bureau of the Philippine Standard.
- Batch** – is a quantity of deformed bars produced in one operation

Ref.: PNS 2020 Steel Bars for Concrete Reinforcement

P	A	E	J	L	T	S	Q	G	B	S	P	P	Q	T
C	Z	I	W	U	E	E	T	X	V	H	U	X	E	X
V	D	R	Q	N	S	N	N	F	Y	T	F	S	J	V
R	E	V	R	D	G	K	G	S	U	Z	T	P	C	L
H	R	A	S	K	L	H	O	T	I	S	V	J	T	I
B	F	F	R	A	Z	K	D	M	H	L	M	A	F	Z
F	A	A	M	C	Q	I	S	Y	S	H	E	Y	Y	N
H	M	M	S	B	C	M	A	K	S	G	Y	I	S	X
N	C	A	K	D	P	O	M	H	H	P	F	E	Y	V
F	J	T	S	B	E	Q	J	M	T	P	B	L	R	V
S	T	X	A	E	P	J	Y	C	P	F	O	D	Z	K
U	P	J	G	B	E	L	O	N	G	A	T	I	O	N
R	E	I	N	F	O	R	C	E	M	E	N	T	G	C
L	A	N	O	I	T	A	N	H	D	F	B	H	M	X
E	X	Z	L	K	V	X	F	D	M	K	U	F	S	R

WORD FORMATION

L	D
A	N
N	A
D	L

L A N D

L			
	A		
		N	
			D

If you have answered all the puzzles quickly email to :

Mr. Richard (rlopez@smcc.com.ph)